

CITY COUNCIL AGENDA ITEM COVER MEMO

Agenda Item Number _____

Meeting Type: Regular

Meeting Date: 8/8/2013

Action Requested By:
Water Pollution
Control

Agenda Item Type
Resolution

Subject Matter:

Agreement with SAK Construction, L.L.C.

Exact Wording for the Agenda:

Resolution authorizing the Mayor to enter into an agreement with the low bidder, SAK Construction, L.L.C., for Sanitary Sewer Rehabilitation Cured-in-Place Pipe (CIPP) Installation-2013 (Base Bid Only), Project No. 65-13-SP32

Note: If amendment, please state title and number of the original

Item to be considered for: Action

Unanimous Consent Required: No

Briefly state why the action is required; why it is recommended; what Council action will provide, allow and accomplish and; any other information that might be helpful.

This agreement (Base Bid Only) is for Cured in Place Pipe rehabilitation of gravity sanitary sewer lines in support of CMOM compliance utilizing specialized techniques and equipment for a total Not-to-Exceed contract amount of \$1,587,896.60. Account No. 02-8000-0815-1342

Associated Cost: \$1,587,896.60

Budgeted Item: Select...

MAYOR RECOMMENDS OR CONCURS: Select...

Department Head: 

Date: Aug. 1, 2013

ROUTING SLIP CONTRACTS AND AGREEMENTS

Originating Department: **Water Pollution Control** Council Meeting Date: **8/8/2013**

Department Contact: **Shane Cook**

Phone # **256-883-3719**

Contract or Agreement: **Construction Contract**

Document Name: **SAK Construction, CIPP-Project No. 65-13-SP32**

City Obligation Amount: **\$1,587,896.60**

Total Project Budget: **\$1,587,896.60**

Uncommitted Account Balance: **0**

Account Number: **02-8000-0815-1342**

Procurement Agreements

<u>Title 39</u>	<u>Competitive</u>
------------------------	---------------------------

Grant-Funded Agreements

<u>Not</u> <u>Applicable</u>	Grant Name:
---	--------------------

Department	Signature	Date
1) Originating	<i>Shane Cook</i>	<i>July 31st 2013</i>
2) Legal	<i>Mary C. Cato</i>	<i>8-1-2013</i>
3) Finance	<i>[Signature]</i>	<i>8/1</i>
4) Originating		
5) Copy Distribution		
a. Mayor's office (1 copies)		
b. Clerk-Treasurer (Original & 2 copies)		

RESOLUTION NO. 13-_____

BE IT RESOLVED by the City Council of the City of Huntsville, Alabama, that the Mayor be, and is hereby authorized, to enter into a contract with the low bidder, SAK Construction, L.L.C., in the Not-to-Exceed amount of ONE MILLION FIVE HUNDRED EIGHTY-SEVEN THOUSAND EIGHT HUNDRED NINETY-SIX AND .60/100 DOLLARS (\$1,587,896.60) for Sanitary Sewer Rehabilitation Cured-in-Place Pipe (CIPP) Installation-2013 (Base Bid Only), Project No. 65-13-SP32, in Huntsville, Alabama, on behalf of the City of Huntsville, a municipal corporation in the State of Alabama, which said agreement is substantially in words and figures similar to that document attached hereto and identified as "Contract between City of Huntsville and SAK Construction, L.L.C. for Sanitary Sewer Rehabilitation Cured-in-Place Pipe (CIPP) Installation-2013 (Base Bid Only), Project No. 65-13-SP32" consisting of a total of one (1) page plus one hundred thirty-two (132) additional pages consisting of Attachments A1-H, Sections 00400, 01015, 01025, 02260, 02600, 02625 and 02690, Supplement to General Requirements for Construction of Public Improvements and all Addenda, "Certification of Compliance with Title 39, Code of Alabama", and "E-Verify Statement", and the date of August 8, 2013, appearing on the margin of the first page, together with the signature of the President or President Pro Tem of the City Council, and an executed copy of said document being permanently kept on file in the Office of the City Clerk of the City of Huntsville, Alabama.

ADOPTED this the 8th day of August, 2013.

President of the City Council of
the City of Huntsville, Alabama

APPROVED this the 8th day of August, 2013.

Mayor of the City of Huntsville,
Alabama

**CONTRACT BETWEEN CITY OF HUNTSVILLE
AND
SAK CONSTRUCTION, L.L.C.
FOR
SANITARY SEWER REHABILITATION CURED-IN-PLACE PIPE
(CIPP) INSTALLATION-2013, (BASE BID ONLY)
PROJECT NO. 65-13-SP32**

~~~~~  
**STATE OF ALABAMA}  
MADISON COUNTY}**


THIS CONTRACT, made and entered into this 8th day of August, 2013, between the CITY OF HUNTSVILLE, ALABAMA, a Municipal Corporation, sometimes referred to herein as City, and SAK CONSTRUCTION, L.L.C., sometimes referred to herein as Contractor.

**-WITNESSETH-**

WHEREAS, the City desires to install, construct or make certain improvements known as Sanitary Sewer Rehabilitation Cured-in-Place Pipe (CIPP) Installation-2013, (Base Bid Only), in the Not-to-Exceed amount of ONE MILLION FIVE HUNDRED EIGHTY-SEVEN THOUSAND EIGHT HUNDRED NINETY-SIX AND .60/100 DOLLARS (\$1,587,896.60), Project #65-13-SP32, in the City of Huntsville, Madison County, Alabama, all in accordance with details, specifications, surveys and general requirements prepared by the City of Huntsville Urban Development Department - Engineering Division, which are on file in the Office of the City Engineer of the City of Huntsville, Alabama, all of which details, specifications, surveys and general requirements are made a part of this contract, and

NOW, THEREFORE, it is agreed that the Contractor promises and agrees to make such improvements for the party of the first part for the considerations hereinafter set out. The Contractor promises and agrees to furnish all necessary labor, materials and equipment for the doing of the same, all to be done in accordance with such details, plans, specifications and general requirements hereto attached and made a part of this contract.

FOR THE PERFORMANCE of such work, the City agrees to pay the Contractor as follows per Attachment "A1".

  
\_\_\_\_\_  
SAK Construction, L.L.C.  
Boyd Hirtz, Vice President

BY:

\_\_\_\_\_  
Tommy Battle, Mayor

ATTEST:   
\_\_\_\_\_  
Roger Archibald, Secretary

\_\_\_\_\_  
Charles E. Hagood  
City Clerk Treasurer

\_\_\_\_\_  
Mark Russell  
City Council President

DATE: August 8, 2013

**SANITARY SEWER REHABILITATION**  
**CURED-IN-PLACE PIPE INSTALLATION 2013**  
**PROJECT #65-13-SP32**

**CITY OF HUNTSVILLE, ALABAMA**

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## ATTACHMENT "A1"

7/18/2013

Sanitary Sewer Rehabilitation  
Cured-In-Place Pipe (CIPP) Installation 2013  
Project No. 65-13-SP32

| ITEM # | DESCRIPTION                                                                                                                                                                                              | BID QTY | BID UNIT | UNIT PRICE | BID AMOUNT              |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|------------|-------------------------|
|        | All prices include the removal and disposal, including hauling of soil and materials                                                                                                                     |         |          |            |                         |
| 1      | A. CONTRACT MOBILIZATION, (3% OF THE TOTAL COST OF THE WORK ORDER ADJUSTED FOR FINAL QUANTITIES)                                                                                                         | 1       |          |            |                         |
| 2      | CURED-IN-PLACE PIPE (CIPP) (12") (MATERIAL AND INSTALLATION)                                                                                                                                             | 6,750   | LF       | \$40.00    | \$270,000.00 ✓          |
| 3      | CURED-IN-PLACE PIPE (CIPP) (15"-16") (MATERIAL AND INSTALLATION)                                                                                                                                         | 675     | LF       | \$51.40    | \$34,695.00 ✓           |
| 4      | CURED-IN-PLACE PIPE (CIPP) (18") (MATERIAL AND INSTALLATION)                                                                                                                                             | 7,341   | LF       | \$78.40    | \$575,534.40 ✓          |
| 5      | CURED-IN-PLACE PIPE (CIPP) (20-21") (MATERIAL AND INSTALLATION)                                                                                                                                          | 6,621   | LF       | \$85.60    | \$566,757.60 ✓          |
| 6      | CURED-IN-PLACE PIPE (CIPP) (24") (MATERIAL AND INSTALLATION)                                                                                                                                             | 1,201   | LF       | \$114.60   | \$137,634.60 ✓          |
| 7      | POINT REPAIR (8"-18") (MATERIAL AND INSTALLATION)                                                                                                                                                        | 66      | EA       | \$1.00     | \$66.00 ✓               |
| 8      | POINT REPAIR (20"-36") (MATERIAL AND INSTALLATION)                                                                                                                                                       | 9       | EA       | \$1.00     | \$9.00 ✓                |
| 9      | REINSTATE SERVICE CONNECTION (MATERIAL AND INSTALLATION)                                                                                                                                                 | 16      | EA       | \$200.00   | \$3,200.00 ✓            |
|        | <b>TOTAL BASE BID PRICE</b> (for evaluation purposes only): Basis of payment will be determined by multiplying the measured in place quantities determined in the field by the contract bid unit prices. |         |          |            | <b>\$1,587,896.60</b> ✓ |

## ATTACHMENT "A1"

7/18/2013

**Sanitary Sewer Rehabilitation**  
**Cured-in-Place Pipe (CIPP) Installation 2013**  
**Project No. 65-13-SP32**

| ITEM # | DESCRIPTION                                                                                      | BID QTY | BID UNIT | UNIT PRICE | BID AMOUNT     |
|--------|--------------------------------------------------------------------------------------------------|---------|----------|------------|----------------|
|        | All prices include the removal and disposal, including hauling of soil and materials             |         |          |            |                |
|        | <b>OPTION NO. 1</b>                                                                              |         |          |            |                |
| 1      | A. CONTRACT MOBILIZATION, (3% OF THE TOTAL COST OF THE WORK ORDER ADJUSTED FOR FINAL QUANTITIES) | 1       |          |            |                |
| 2      | CURED-IN-PLACE PIPE (CIPP) (8") (MATERIAL AND INSTALLATION)                                      | 3,400   | LF       | \$38.00    | \$129,200.00 ✓ |
| 3      | CURED-IN-PLACE PIPE (CIPP) (10") (MATERIAL AND INSTALLATION)                                     | 3,400   | LF       | \$39.00    | \$132,600.00 ✓ |
| 4      | CURED-IN-PLACE PIPE (CIPP) (12") (MATERIAL AND INSTALLATION)                                     | 3,400   | LF       | \$40.00    | \$136,000.00 ✓ |
| 5      | CURED-IN-PLACE PIPE (CIPP) (15"-16") (MATERIAL AND INSTALLATION)                                 | 3,400   | LF       | \$51.00    | \$173,400.00 ✓ |
| 6      | CURED-IN-PLACE PIPE (CIPP) (18") (MATERIAL AND INSTALLATION)                                     | 3,400   | LF       | \$78.00    | \$265,200.00 ✓ |



## ATTACHMENT "A1"

7/18/2013

**Sanitary Sewer Rehabilitation  
Cured-in-Place Pipe (CIPP) Installation 2013  
Project No. 65-13-SP32**

| ITEM # | DESCRIPTION                                                                          | BID QTY | BID UNIT | UNIT PRICE  | BID AMOUNT              |
|--------|--------------------------------------------------------------------------------------|---------|----------|-------------|-------------------------|
|        | All prices include the removal and disposal, including hauling of soil and materials |         |          |             |                         |
| 7      | CURED-IN-PLACE PIPE (CIPP) (20-21") (MATERIAL AND INSTALLATION)                      | 3,400   | LF       | \$100.00    | \$340,000.00 ✓          |
| 8      | CURED-IN-PLACE PIPE (CIPP) (24") (MATERIAL AND INSTALLATION)                         | 3,400   | LF       | \$125.00    | \$425,000.00 ✓          |
| 9      | CURED-IN-PLACE PIPE (CIPP) (30") (MATERIAL AND INSTALLATION)                         | 3,400   | LF       | \$150.00    | \$510,000.00 ✓          |
| 10     | CURED-IN-PLACE PIPE (CIPP) (36") (MATERIAL AND INSTALLATION)                         | 3,400   | LF       | \$190.00    | \$646,000.00 ✓          |
| 11     | POINT REPAIR (8"-18") (MATERIAL AND INSTALLATION)                                    | 10      | EA       | \$6,000.00  | \$60,000.00 ✓           |
| 12     | POINT REPAIR (20"-36") (MATERIAL AND INSTALLATION)                                   | 10      | EA       | \$15,000.00 | \$150,000.00 ✓          |
| 13     | REINSTATE SERVICE CONNECTION (MATERIAL AND INSTALLATION)                             | 50      | EA       | \$200.00    | \$10,000.00 ✓           |
|        | <b>TOTAL OPTION NO. 1</b>                                                            |         |          |             | <b>\$2,977,400.00 ✓</b> |

ALL ITEMS SHALL BE CONSIDERED IN-PLACE. UNIT PRICE SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTAL ITEMS REQUIRED FOR INSTALLATION.

COMPANY S&K ConstructionSIGNATURE Boyd J. JureDATE 7-18-13

**ATTACHMENT "B"**  
**PROPOSAL**

**TO: THE CITY OF HUNTSVILLE**

**Public Services Building  
320 Fountain Circle  
Huntsville, Alabama**

**PROPOSAL OF** SAK Construction, LLC  
**(NAME)**  
864 Hoff Road, O'Fallon, MO 63366  
**(ADDRESS)**

**TO MAKE CERTAIN IMPROVEMENTS ENTITLED:**

**SANITARY SEWER REHABILITATION**  
**CURED-IN-PLACE PIPE INSTALLATION 2013**  
**PROJECT #65-13-SP32**

**FOR THE CITY OF HUNTSVILLE, ALABAMA.**

**GENTLEMEN:**

The undersigned bidder has carefully examined the drawings or plans, bid documents, the specifications, the general requirements, the supplement to general requirements, the general terms and conditions, this proposal, the agreement, together with any addenda thereto, and agrees to furnish and deliver all the materials, and to do and perform all the work and labor required to be furnished and delivered, done and performed in and about the improvements as described above and in accordance with certain specifications prepared and approved by the OWNER (City of Huntsville, Alabama). It is MANDATORY that any and all addenda be acknowledged by the undersigned bidder, either on page 2 of the Proposal, Attachment "B" or on the outside of the envelope, otherwise, bid shall be rejected.

The undersigned bidder understands that when unit prices are called for, the quantities shown herein are approximate only and are subject to increase or decrease, and offers to do the work whether the quantities are increased, or decreased, at the unit prices stated in the following schedule. The undersigned bidder also understands that when lump sum bids are called for, he will be required to furnish all equipment, labor, materials and other items or cost to construct a complete facility. The undersigned bidder further understands that any deletions or additions designated on the outside of the bid envelope, must indicate the particular bid item relative to the deletion or addition, even if the deletion or addition references to deduct or add to the Total Base Bid.

Contractors are authorized to download quantities, Attachment "A", or quantity revisions from COH Engineering website and paste to 3 1/2" floppy disk or CD-RW (preferably in a live/flash drive format) of their choice; one or the other must be submitted with the original bid packet. In addition, two hard copies must be signed and submitted with original bid packet.

Certificates of Insurance are required naming the City as the Certificate Holder. Also, the name of the project and project number should be included on the certificate. The Certificates should reflect the insurance coverage required herein. In addition, a copy of the policy may be requested upon award. The Certificates are to be signed by a person authorized by the insurer to bind coverage on its behalf and must indicate coverage will not be canceled or non-renewed except after thirty (30) days prior written notice to the City at the following address: City of Huntsville, P.O. Box 308, Huntsville, Alabama 35804 ATTN: Penny Kelly.

The undersigned bidder understands that the Contract Time for completion of the guaranteed portion of the work, as indicated in the accompanying plan set, is Two Hundred and Seventy (270) calendar days. The contract time for the Optional Periodic (Option No. 1) quantities is one (1) year from the date of the award, with services provided on an as needed basis up to the Not to Exceed (NTE) Amount. The City of Huntsville reserves the right to extend the contract time for up to two (2) additional one (1) year periods with each renewal year having a new NTE Amount in the same amount as the initial year. Yearly renewals are at the discretion of the City of Huntsville and are subject to the availability of funds. Notification of yearly renewal shall be by written letter from the City Engineer.

**Proposal – Page Two**

**SANITARY SEWER REHABILITATION  
CURED-IN-PLACE PIPE INSTALLATION 2013  
PROJECT #85-13-SP32**

In the event that the NTE Amount is reached prior to the end of any yearly term, the City Engineer, at his or her discretion and subject to the availability of funds, may elect to advance the time for renewal in order to best meet the needs of the City, provided that total term of the original contract year and the two potential renewal periods does not exceed a total of three years from the initial date of award of the contract and provided the total expenditures are no more than three times the original Not to Exceed Amount.

Each project will require a separate work authorization and purchase order from the City of Huntsville. Beginning and end dates will be stated and shall be signed by contractor accepting the terms for such work authorization.

The City of Huntsville will direct and approve the work element and the quantities required for each project location and will compute the overall cost for each element of work and their respective quantities.

**THE UNDERSIGNED BIDDER ALSO AGREES AS FOLLOWS:**

All bonds must be approved by the Mayor and the Clerk-Treasurer of the City of Huntsville. Within fifteen (15) days after the date of acceptance of this proposal by City Council action, the contractor shall execute the contract and furnish to the OWNER a payment (labor and material) bond and a performance bond, each in the amount of 100% of the contract amount for the base bid. This bid is to remain in effect until final acceptance of the work specified in the contract base bid, as allowed by State Law and approved by the OWNER. No contract extension will be allowed for delays in the issuance of the notice to proceed that are a result of the contractor failing to submit the required items within the 15 days.

Additionally, within fifteen (15) days after the date of acceptance of this proposal by City Council action, the contractor shall execute the contract and furnish to the OWNER a payment (labor and material) bond and a performance bond, each in the amount of FIVE HUNDRED THOUSAND AND NO/100 DOLLARS (\$500,000.00) for the optional periodic portion of the bid. This bid is to remain in effect for the duration of the contract, as allowed by State Law and approved by the OWNER. No contract extension will be allowed for delays in the issuance of the notice to proceed that are a result of the contractor failing to submit the required items within the 15 days.

It is further understood and agreed that the Contractor shall commence work to be performed under this contract within fifteen (15) days from the date of this contract, unless otherwise instructed in writing by the OWNER. All work shall be carried on continuously to completion.

Accompanying this proposal is a certified check or bid bond in the amount of not less than five percent (5%) of the total amount shown on the schedule of prices not exceeding \$10,000.00 payable to the City of Huntsville, Alabama, which is to be forfeited, as liquidated damages, if, in the event that his proposal is accepted, the undersigned shall fail to execute the contract and furnish a satisfactory contract bond under the conditions and within the time specified in this proposal; otherwise, said certified check or bid bond is to be returned to the undersigned.

Proposal - Page Three

**SANITARY SEWER REHABILITATION:**  
**CURED-IN-PLACE PIPE INSTALLATION 2013**  
**PROJECT #85-13-SP32**

DATED: July 15, 2013.

(IF AN INDIVIDUAL, PARTNERSHIP, OR NON-INCORPORATED ORGANIZATION)

SIGNATURE OF BIDDER N/A

BY \_\_\_\_\_

ADDRESS OF BIDDER \_\_\_\_\_

NAMES AND ADDRESSES OF MEMBERS OF THE FIRM:

\_\_\_\_\_  
\_\_\_\_\_

OUR CONTRACTOR'S STATE LICENSE NO. IS 42995

(IF A CORPORATION)

SIGNATURE OF BIDDER

Boyd Hirtz  
BY Boyd Hirtz, Vice President

BUSINESS ADDRESS 864 Hoff Road, O'Fallon, MO 63366

INCORPORATED UNDER THE LAWS OF THE STATE OF Missouri

NAMES PRESIDENT Jerome P Shaw Jr.

OF SECRETARY Steve Stulce

OFFICERS TREASURER Roger Archibald

**MANDATORY ACKNOWLEDGEMENT OF ADDENDA:** Addenda will only be faxed to those bidders who attend and have signed in at the pre-bid meeting. It is the responsibility of all bidders to refer to the website for any updates.

Addendum #1

**ATTACHMENT "C"**

**SANITARY SEWER REHABILITATION  
CURED-IN-PLACE PIPE INSTALLATION 2013  
PROJECT #65-13-SP32**

**SUBCONTRACTOR'S LISTING**

All subcontractors must be approved in writing by Owner. If subcontractors are not approved, Contractor will be notified prior to approval of contract by City Council. Any additional subcontractors needed during the contract period shall be approved by written letter from the Owner. Contractor shall immediately notify Mary Hollingsworth via email at [mary.hollingsworth@huntsvilleal.gov](mailto:mary.hollingsworth@huntsvilleal.gov) and the Owner's project inspector of any changes to subcontractor list for the duration of the project.

| <b><u>TASKS TO BE PERFORMED</u></b>         | <b><u>SUBCONTRACTOR NAME</u></b> | <b><u>LICENSE NO.</u></b> | <b><u>ADDRESS</u></b> | <b><u>ITEM #'S OF WORK TO BE PERFORMED</u></b> |
|---------------------------------------------|----------------------------------|---------------------------|-----------------------|------------------------------------------------|
| Surveying/Layout                            |                                  |                           |                       |                                                |
| Permitting                                  |                                  |                           |                       |                                                |
| Clearing & Grubbing                         |                                  |                           |                       |                                                |
| Erosion Control                             |                                  |                           |                       |                                                |
| Traffic Control                             |                                  |                           |                       |                                                |
| Excavation                                  |                                  |                           |                       |                                                |
| Concrete                                    |                                  |                           |                       |                                                |
| Storm Drainage                              |                                  |                           |                       |                                                |
| Sanitary Sewer                              |                                  |                           |                       |                                                |
| Shoring/Monitoring                          |                                  |                           |                       |                                                |
| Retaining Walls                             |                                  |                           |                       |                                                |
| Bridges                                     |                                  |                           |                       |                                                |
| Railroads                                   |                                  |                           |                       |                                                |
| Traffic (signals, loops)                    |                                  |                           |                       |                                                |
| Street Lights                               |                                  |                           |                       |                                                |
| Electrical                                  |                                  |                           |                       |                                                |
| Water                                       |                                  |                           |                       |                                                |
| Asphalt                                     |                                  |                           |                       |                                                |
| Landscaping (Trees, grassing)               |                                  |                           |                       |                                                |
| Irrigation                                  |                                  |                           |                       |                                                |
| Striping                                    |                                  |                           |                       |                                                |
| Sewer Testing                               |                                  |                           |                       |                                                |
| Guardrails                                  |                                  |                           |                       |                                                |
| Handrails                                   |                                  |                           |                       |                                                |
| Painting                                    |                                  |                           |                       |                                                |
| Special (fencing, benches, dewatering etc.) |                                  |                           |                       |                                                |
| Mechanical                                  |                                  |                           |                       |                                                |
| SCADA                                       |                                  |                           |                       |                                                |



**ATTACHMENT "D"**

**SANITARY SEWER REHABILITATION  
CURED-IN-PLACE PIPE INSTALLATION 2013  
PROJECT #65-13-SP32**

**Contractor shall provide at least five (5) references including NAME OF PROJECT, Owner Name, address, phone number and contact name that demonstrates contractor's ability on similar projects.**

1. See attached completed projects list

2.

3.

4.

5.



## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                                                                          | Contact Name, Telephone, & Fax                                      | Address                                                         | Superintendent  | Project Manager | Type      | Complete Date | Completed Amount | Total Footings | Footings Complete | Diameters                                         |
|----------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------|-----------------|-----------------|-----------|---------------|------------------|----------------|-------------------|---------------------------------------------------|
| 1000     | Village of Godfrey, IL<br>Tremont Subdivision Sewer CIPP Repair                                                | Dennis Hartman, Village of Godfrey<br>618/466-4319                  | 6810 Godfrey Road<br>Godfrey, IL 62035                          | Jeff Hirtz      | Tim Bussen      | CIPP - IL | 2/1/08        | \$ 49,598.00     | 1612           | 1612              | 8"                                                |
| 1001     | City of Carbondale, IL<br>Sanitary Sewer Rehab at Eason Dr.                                                    | Gary Bellas, City of Carbondale<br>P 618/546-5302                   | 200 South Illinois Ave<br>Carbondale, IL 62902                  | Jeff Hirtz      | Tim Bussen      | CIPP - IL | 1/1/08        | \$ 127,801.00    | 3430           | 3430              | 8", 10", 15"                                      |
| 1002     | City of Oswatimie, KS<br>2007 Sanitary Sewer Improvements<br>sub to Bates Utility Co.                          | Kris Bates, Bates Utility Co.<br>P 636/833-5626                     | 841 Westwood Industrial Park Dr.<br>Weldon Springs, MO 63304    | Jeff Hirtz      | Tim Bussen      | CIPP - KS | 10/3/08       | \$ 834,852.00    | 37242          | 37242             | 8", 10", 12"                                      |
| 1003     | MSD St. Louis<br>Grand Avenue Sewer Rehabilitation<br>sub to O.J. Laughlin Plumbing Co.                        | Dan Laughlin, O.J. Laughlin Plumbing<br>P 636/225-0992              | 308 St. Louis<br>Valley Park, MO 63083                          | Jeff Hirtz      | Tim Bussen      | CIPP - MO | 2/6/08        | \$ 21,250.00     | 250            | 250               | 18"                                               |
| 1004     | City of Mt. Olive, IL<br>Sewer Rehabilitation                                                                  | Jesse Maynard, E.I. City of Mount Olive<br>P 618/596-3711           | 200 E. Main Street<br>Mount Olive, IL 62069                     | Jeff Hirtz      | Tim Bussen      | CIPP - IL | 7/21/08       | \$ 158,510.00    | 4319           | 4319              | 8", 10"                                           |
| 1005     | City of Lincoln/Lancaster County, NE<br>Rehab of Sanitary Sewers by Liner Insertion                            | Roger Knut, City of Lincoln, NE<br>P 402/441-7985                   | 555 South 10th Street<br>Lincoln, NE 68508                      | Jeff Hirtz      | Tim Bussen      | CIPP - NE | 6/30/08       | \$ 111,035.00    | 4603           | 4603              | 8", 12"                                           |
| 1006     | Buccanier Bay BID No. 5; Cass County, NE<br>2007 Sanitary Sewer Improvements                                   | Lucas Billasbach, E.I., JEO Consulting Group<br>P 402/934-4650      | 19457 Treasure Island Road<br>Pittsboro, NE 68048               | Jeff Hirtz      | Tim Bussen      | CIPP - NE | 6/30/08       | \$ 88,834.00     | 2896           | 2896              | 8"                                                |
| 1007     | City of Davenport, IA<br>2008 Sanitary Sewer Lining Program                                                    | Brian Schmidt, City of Davenport, IA<br>P 563/327-5156              | 226 W. 4th Street<br>Davenport, IA 52801                        | Jeff Hirtz      | Tim Bussen      | CIPP - IA | 9/30/08       | \$ 466,142.00    | 17408          | 17408             | 8", 10", 12", 14"                                 |
| 1008     | City of Jefferson, MO<br>Basin 17 Rehabilitation                                                               | Eric Seaman, P.E., City of Jefferson, MO<br>P 573/834-6443          | 320 E. McCarty<br>Jefferson City, MO 65101                      | Jeff Hirtz      | Tim Bussen      | CIPP - MO | 5/31/09       | \$ 1,818,831.00  | 34458          | 34458             | 6", 8", 10", 12", 15", 18",<br>24", 30", 36", 42" |
| 1010     | City of Phoenix, AZ - Proj. 4108JOC082<br>5m. Creek Rehab - JOC 1, 2, & 3<br>sub to Achen-Gardner Engineering  | Dan Bradarick, Achen-Gardner Engineering, LLC<br>P 480/940-1300     | 550 S. 79th St.<br>Chandler, AZ 85226                           | Jeff Oberholzer | Cory Street     | CIPP - AZ | 1/31/09       | \$ 1,514,055.00  | 49136          | 49136             | 8", 10", 12"                                      |
| 1011     | City of Pipestone, MN<br>Pipestone Sanitary Sewer Lining 2008                                                  | Scott Luddy, P.E., Banner Associates, Inc.<br>P 656/862-6342        | 119 2nd Ave. SW<br>Pipestone, MN 56164                          | Jeff Hirtz      | Tim Bussen      | CIPP - MN | 9/30/08       | \$ 262,452.00    | 10402          | 10402             | 8", 10"                                           |
| 1012     | Paducah-McCacken Joint Sewer Agency<br>Contract No. 4 Wastewater Collection System<br>Rehabilitation           | John Hodges, Paducah-McCacken JSA<br>P 270/575-0056                 | 621 Northwest St.<br>Paducah, KY 42001                          | Jason Laney     | Tim Bussen      | CIPP - KY | 9/6/08        | \$ 534,832.00    | 12332          | 12332             | 6", 8", 10", 12"                                  |
| 1013     | Little Rock Wastewater Utility (AR)<br>Jimmerson Creek Rehabilitation<br>sub to Building & Utility Contractors | Kouresh Malek, Building & Utility Contractors<br>P 501/397-2534     | PO Box 68<br>Redfield, AR 72132                                 | Doug Hawkins    | Boyd Hirtz      | CIPP - AR | 4/30/09       | \$ 99,036.00     | 3837           | 3837              | 6", 8"                                            |
| 1014     | City of St. Paul, MN<br>Bigelow/Bush Sewer Rehabilitation                                                      | Patrick Lowry, City of St. Paul<br>P 651/268-0251<br>F 651/268-5621 | 25 W. 4th St.<br>St. Paul, MN 55102                             | Jeff Hirtz      | Tim Bussen      | CIPP - MN | 6/30/08       | \$ 1,334,314.00  | 34711          | 34711             | 8", 10", 12", 15", 18",<br>20", 21", 24"          |
| 1015     | City of Waterloo, IL<br>Waterloo 24" Sewer Rehabilitation                                                      | Jesse Maynard, E.I., HMG Engineers<br>P 618/596-3711                | City of Waterloo, IL<br>100 W. 4th Street<br>Waterloo, IL 62298 | Jeff Hirtz      | Tim Bussen      | CIPP - IL | 9/26/08       | \$ 23,450.00     | 370            | 370               | 8", 24"                                           |
| 1016     | City of Waverly, NE<br>2008 Sanitary Sewer Siphoning Improvements                                              | Justin Sine, JEO Consulting Group<br>P 402/435-1110                 | 14130 Lancashire<br>Waverly, NE 68462                           | Jeff Hirtz      | Tim Bussen      | CIPP - NE | 10/17/08      | \$ 88,848.00     | 3176           | 3176              | 8"                                                |
| 1017     | City of Scottsdale, AZ<br>8-inch CIPP Rehabilitation<br>Western Waterworks Contracting                         | Chuck Watkins, Western Waterworks Contracting<br>P 623/876-7420     | 22223 N. 19th Street<br>Phoenix, AZ 85024                       | Jeff Oberholzer | Cory Street     | CIPP - AZ | 9/5/08        | \$ 5,463.00      | 150            | 150               | 8"                                                |
| 1018     | City of Phoenix, AZ - JOC 8th Ave<br>Interceptor Sewer Siphon Improvements<br>sub to Quest Civil Constructors  | Nick Mason, Quest Civil Constructors, Inc.<br>P 602/725-4288        | 1903 W. Portland Lane, Ste. 100<br>Phoenix, AZ 85027            | Jeff Oberholzer | Cory Street     | CIPP - AZ | 11/1/08       | \$ 127,236.00    | 276            | 276               | 36", 42"                                          |

## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                                                                               | Contact Name, Telephone, & Fax                                                     | Address                                                                          | Superintendent         | Project Manager | Type      | Complete Date | Completed Amount | Total Footage | Footage Complete | Diameters                                                |
|----------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------------|-----------------|-----------|---------------|------------------|---------------|------------------|----------------------------------------------------------|
| 1018     | Pima County, AZ - Roger Road TX Plant<br>24-inch CIPP Rehab of Ar. Line<br>sub to Quast Civil Constructors          | Scott Gossard, Quast Civil Constructors, Inc.<br>P 520887-8011                     | 1903 W. Parkside Lane, Ste. 100<br>Phoenix, AZ 85027                             | Jeff Oberholzer        | Cory Street     | CIPP - AZ | 11/7/08       | \$ 155,176.00    | 750           | 750              | 24"                                                      |
| 1020     | City of Pevely, MO<br>Sanitary Sewer Rehabilitation<br>Landmark Mobile Home Park                                    | Jeff Huck, P.E., Cochran<br>P 836/564-0640                                         | 301 Main Street<br>Pevely, MO 63070                                              | Jason Laney            | Tim Bussen      | CIPP - MO | 1/31/09       | \$ 285,531.00    | 6824          | 6824             | 6", 8"                                                   |
| 1021     | City of Baldwin, IL<br>Sanitary Sewer Coll. System Rehab                                                            | Travis Linfer, Rhussell and Associates<br>P 618/532-1922<br>F 618/532-1923         | 212 W. Elm Street<br>Baldwin, IL 62217                                           | Jeff Hirtz             | Tim Bussen      | CIPP - IL | 2/10/10       | \$ 249,840.00    | 11321         | 11321            | 8"                                                       |
| 1022     | Little Rock Wastewater Utility (AR)<br>Large Diameter Sewer Rehabilitation                                          | Kath Brown, Little Rock Wastewater Utility<br>P 501/723-1520<br>F 501/688-1463     | 11 Clearwater Dr.<br>Little Rock, AR 72204                                       | Doug Hawkins           | Tim Bussen      | CIPP - AR | 7/31/09       | \$ 518,920.00    | 3450          | 3450             | 18", 24", 42", 48"                                       |
| 1023     | Rehab of Sewers by Lining & Abandonment in Orange Grove/Hope VI Area<br>MAWBS (Mobile, AL)                          | Gary Tillman, Buck-Kemper, Inc.<br>P 251/642-3886                                  | Board of Water & Sewer, Mobile<br>207 North Catherine Street<br>Mobile, AL 36604 | Doug Hawkins           | Tim Bussen      | CIPP - AL | 8/30/09       | \$ 805,015.00    | 5311          | 5311             | 8", 10", 18", 21"                                        |
| 10025    | City of Granite City, IL<br>Narnock Area Manhole & Sewer Rehab                                                      | Steve Osborn, Junesau Associates, Inc.<br>P 618/877-1400                           | City of Granite City, IL                                                         | Jeff Hirtz/Jason Laney | Tim Bussen      | CIPP - IL | 12/30/11      | \$ 1,543,844.08  | 23104         | 23104            | 8", 10", 12", 18", 21", 30", 36"                         |
| 1026     | Little Rock Wastewater Utility (AR)<br>Albany Rehabilitation<br>sub to Building & Utility Contractors               | Kouresh Malik, Building & Utility Contractors<br>P 501/397-2594<br>F 501/688-1463  | PO Box 68<br>Redfield, AR 72132                                                  | Doug Hawkins           | Boyd Hirtz      | CIPP - AR | 8/31/09       | \$ 625,076.00    | 9449          | 9449             | 6", 8", 24", 27"                                         |
| 1027     | City of St. Paul, MN<br>Euclid/Edgewater Sewer Lining                                                               | Patrick Lowry, City of St. Paul<br>P 651/266-8251<br>F 651/268-5821                | 25 W. 4th St.<br>St. Paul, MN 55102                                              | Jeff Hirtz             | Tim Bussen      | CIPP - MN | 10/31/08      | \$ 1,328,571.00  | 32260         | 32260            | 6", 8", 10", 12", 15", 18", 20", 21", 24", 27", 33", 48" |
| 1028     | Boone County (MO) Regional Sewer District<br>Sunrise Estates Sewer Rehabilitation                                   | Andy Lister, Boone Co. Regional Sewer District<br>P 573/441-0210<br>F 573/468-0489 | 1314 N. 7th St.<br>Columbia, MO 65201                                            | Jason Laney            | Tim Bussen      | CIPP - MO | 7/31/09       | \$ 507,831.00    | 17142         | 17142            | 8"                                                       |
| 1029     | Little Rock Wastewater Utility (AR)<br>Trenchless Sewer Line Rehabilitation<br>Annual Contract (4 Renewals)         | Kath Brown, Little Rock Wastewater Utility<br>P 501/723-1520<br>F 501/688-1463     | 11 Clearwater Dr.<br>Little Rock, AR 72204                                       | Doug Hawkins           | Boyd Hirtz      | CIPP - AR | 12/23/09      | \$ 515,441.00    | 9349          | 9349             | 6", 8", 10", 12"                                         |
| 1030     | City of Phoenix, AZ - COP Proj. 4108JOC062<br>Sm. Diam Sam. Sewer Rehab - JOA 4<br>sub to Achen-Gardner Engineering | Dan Broderick, Achen-Gardner Engineering, LLC<br>P 480/940-1300                    | 550 S. 7th St.<br>Chandler, AZ 85226                                             | Jeff Oberholzer        | Cory Street     | CIPP - AZ | 4/30/09       | \$ 604,560.00    | 18014         | 18014            | 8", 12"                                                  |
| 10031    | MSD St. Louis<br>Infrastructure Repairs FY2009 Ph. II                                                               | Steve Wehnick, MSD St. Louis<br>P 314/768-8378                                     | 2350 Market St.<br>St. Louis, MO 63103                                           | Jason Laney/Jeff Hirtz | Tim Bussen      | CIPP - MO | 11/7/11       | \$ 5,399,519.00  | 225087        | 225087           | 6", 8", 10", 12", 15", 18", 21", 24", 42"                |
| 10032    | City and County of Denver, CO<br>2008 WMD Annual Sanitary Sewer<br>Improvements - Contract No. CE08028              | Chuck Hart, City & County of Denver, CO<br>P 303/446-3641                          | 201 W. Collier Ave.<br>Denver, CO 80202                                          | Ricky Laws             | Cory Street     | CIPP - CO | 12/31/10      | \$ 2,361,285.00  | 118854        | 118854           | 8", 10", 12"                                             |
| 10233    | University of Arkansas Medical Center<br>CIPP Lining at UA Med Center<br>sub to Arkansas Cleaning & Telesaving      | McKay Rassa, Arkansas Cleaning & Telesaving<br>P 501/687-1610                      | 6625 Brodie Lane<br>Little Rock, AR 72204                                        | Doug Hawkins           | Boyd Hirtz      | CIPP - AR | 12/20/08      | \$ 80,000.00     | 819           | 819              | 10", 12"                                                 |
| 10234    | MSD St. Louis<br>CIPP Rehab Express Campus<br>sub to Clayco, Inc.                                                   | Collette Harman Kozlowski, Clayco, Inc.<br>P 314/592-2173                          | 8455 University Place Drive<br>St. Louis, MO 63121                               | Jeff Hirtz             | Tim Bussen      | CIPP - MO | 1/24/09       | \$ 18,601.00     | 400           | 400              | 12"                                                      |
| 1035     | City of El Dorado, KS<br>CIPP Rehabilitation                                                                        | Kurt Bookout, City of El Dorado, KS<br>P 316/221-14100                             | 390 East Central<br>El Dorado, KS 67042                                          | Danny Brown            | Tim Bussen      | CIPP - KS | 3/20/09       | \$ 177,783.00    | 7058          | 7058             | 6", 8", 15"                                              |
| 10236    | City of Peoria, AZ<br>Northern & 81st Emergency Repair<br>Quast Civil Constructors, Inc.                            | Nick Mason, Quast Civil Constructors, Inc.<br>P 602/725-6286                       | 1903 W. Parkside Lane, Ste. 100<br>Phoenix, AZ 85027                             | Jeff Oberholzer        | Cory Street     | CIPP - AZ | 2/28/09       | \$ 259,405.00    | 901           | 901              | 24", 36"                                                 |
| 10037    | MSD St. Louis<br>DC-09 Sanitary Relief (SKME-655)<br>Separate Sewer Area II Reductum (600018C)                      | Steve Wehnick, MSD St. Louis<br>P 314/768-8378                                     | 2350 Market St.<br>St. Louis, MO 63103                                           | Jeff Hirtz/Jason Laney | Tim Bussen      | CIPP - MO | 12/31/10      | \$ 1,286,431.00  | 28414         | 28414            | 6", 8", 10", 12", 15"                                    |

## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                                                                              | Contact Name, Telephone, & Fax                                                      | Address                                                   | Superintendent  | Project Manager | Type      | Complete Date | Completed Amount | Total Footage | Footage Complete | Diameters         |
|----------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------|-----------------|-----------|---------------|------------------|---------------|------------------|-------------------|
| 1038     | Marshall (MO) Municipal Utilities<br>Proposal #7-08-UF Sewer Rehab                                                 | Monte Chas, Marshall Municipal Utilities<br>P 680886-8968                           | 75 East Morgan<br>Marshall, MO 65304-2188                 | Danny Brown     | Tim Bussen      | CIPP - MO | 3/2/09        | \$ 23,038.00     | 575           | 575              | 8", 12"           |
| 1040     | City of Phoenix, AZ - Proj. 4108JOC062<br>San. Diam. San. Sewer Rehab - JOA 6<br>sub to Achen-Gardner Engineering  | Dan Brodenick, Achen-Gardner Engineering, LLC<br>P 480940-1300                      | 550 S. 79th St.<br>Chandler, AZ 85226                     | Jeff Oberholzer | Cory Street     | CIPP - AZ | 4/30/09       | \$ 387,093.00    | 11305         | 11305            | 8", 12"           |
| 1041     | Seacoast Utility Authority (FL)<br>Annual Gravity Sewer Rehab using CIPP                                           | Kelth Haas, Seacoast Utility Authority<br>P 561827-2900<br>F 561824-2839            | 4200 Hood Rd.<br>Palm Beach Gardens, FL 33410             | Doug Hawkins    | Casey Placzenta | CIPP - FL | 7/31/10       | \$ 550,881.00    | 9597          | 9597             | 8", 18", 24"      |
| 1042     | Sunburst Farms Irrigation Water Delivery Dist.<br>Improvements to Sunburst Farms                                   | Sunburst Farms, Glendale, AZ<br>P 602838-8760                                       | 16040 North 43rd Ave.<br>Glendale, AZ 85306-2733          | Jeff Oberholzer | Cory Street     | CIPP - AZ | 6/30/09       | \$ 175,000.00    | 2750          | 2750             | 24"               |
| 1043     | City of Phoenix, AZ - Proj. 4108JOC062<br>San. Diam. San. Sewer Rehab - JOA 7<br>sub to Achen-Gardner Engineering  | Dan Brodenick, Achen-Gardner Engineering, LLC<br>P 480940-1300<br>F 480940-4576     | 550 S. 79th St.<br>Chandler, AZ 85226                     | Jeff Oberholzer | Cory Street     | CIPP - AZ | 10/31/09      | \$ 529,877.00    | 16628         | 16628            | 8", 10", 12"      |
| 1044     | City of Phoenix, AZ - Proj. 4108JOC062<br>San. Diam. San. Sewer Rehab - JOA 8<br>sub to Achen-Gardner Engineering  | Chris Diell, Achen-Gardner Engineering, LLC<br>P 480940-1300<br>F 480940-4576       | 550 S. 79th St.<br>Chandler, AZ 85226                     | Jeff Oberholzer | Cory Street     | CIPP - AZ | 5/31/10       | \$ 327,815.00    | 15827         | 15827            | 8"                |
| 1045     | City of Phoenix, AZ - Proj. 4108JOC062<br>San. Diam. San. Sewer Rehab - JOA 9<br>sub to Achen-Gardner Engineering  | Dan Brodenick, Achen-Gardner Engineering, LLC<br>P 480940-1300<br>F 480940-4576     | 550 S. 79th St.<br>Chandler, AZ 85226                     | Jeff Oberholzer | Cory Street     | CIPP - AZ | 10/31/09      | \$ 313,098.00    | 8801          | 8801             | 8", 12"           |
| 1046     | City of Ottawa, KS                                                                                                 | City of Ottawa                                                                      | City Hall 2nd Floor<br>101 S. Hickory<br>Ottawa, KS 66067 | Danny Brown     | Tim Bussen      | CIPP - KS | 5/28/09       | \$ 164,185.95    | 2272          | 2272             | 15", 18", 21"     |
| 1048     | Johnson County (KS) Wastewater<br>CIPP Term & Supply Contract                                                      | Joe Barnes, Johnson Co. Wastewater<br>P 913715-8535<br>F 913715-8501                | 11811 S. Sunset Drive, #2500<br>Olathe, KS 66061          | Danny Brown     | Tim Bussen      | CIPP - KS | 1/30/10       | \$ 641,431.00    | 22181         | 22181            | 8", 12", 15", 21" |
| 1049     | City of Peoria, AZ<br>Northern: 83rd to 91st - CIPP of 24"<br>sub to Quest Civil Constructors, Inc.                | Nick Mason, Quest Civil Constructors, Inc.<br>P 913071-9119<br>F 913071-9238        | 8401 W. Monroe St.<br>Phoenix, AZ 85345                   | Jeff Oberholzer | Cory Street     | CIPP - AZ | 8/31/09       | \$ 315,311.00    | 5121          | 5121             | 24"               |
| 1050     | Olathe, KS - 2009 Sanitary Sewer Maintenance<br>P.N. 1-C-075-09, Contract 1                                        | Ric Gere, Olathe, KS<br>P 913071-9119<br>F 913071-9238                              | 1385 S. Robinson Dr.<br>Olathe, KS 66061                  | Danny Brown     | Tim Bussen      | CIPP - KS | 8/31/09       | \$ 263,304.00    | 9814          | 9814             | 8", 12"           |
| 1051     | Unified Government of Wyandotte Co., KS<br>NSRP Trenchless Sewer Repairs                                           | John Menkhuis, Unified Govt. of Wyandotte Co., KS<br>P 913573-5700<br>F 913573-5435 | 701 N. 7th St.<br>Kansas City, KS 66101                   | Danny Brown     | Tim Bussen      | CIPP - KS | 1/28/10       | \$ 106,624.00    | 478           | 478              | 8", 12", 15", 36" |
| 1052     | City of Las Vegas, NV<br>Brush Street Project<br>sub to Contri Const. Co.                                          | Joe Peasid, Contri Construction Co.<br>P 702758-4004<br>F 702758-7748               | 400 Seward Ave.<br>Las Vegas, NV 89101                    | Jeff Oberholzer | Cory Street     | CIPP - NV | 12/28/09      | \$ 113,552.00    | 1027          | 1027             | 8", 10", 12", 30" |
| 1053     | City of Phoenix, AZ - Proj. 4108JOC062<br>San. Diam. San. Sewer Rehab - JOA 10<br>Sub to Achen-Gardner Engineering | Dan Brodenick, Achen-Gardner Engineering, LLC<br>P 480940-1300<br>F 480940-4576     | 200 W. Washington St.<br>Phoenix, AZ 85027                | Jeff Oberholzer | Cory Street     | CIPP - AZ | 10/31/09      | \$ 480,924.00    | 15846         | 15846            | 8", 10", 12"      |
| 1054     | City of Clinton, MO<br>2009 Sanitary Sewer Repairs (CIP)                                                           | Cliff Jordan, City of Clinton, MO<br>P 660985-6611<br>F 660985-8168                 | 1101 S. Vansant Rd.<br>Clinton, MO 64735                  | Danny Brown     | Tim Bussen      | CIPP - MO | 8/31/09       | \$ 125,988.00    | 10670         | 10670            | 8", 12"           |
| 1055     | Camden Water Utilities (AR)<br>CIPP Rehabilitation of 15"                                                          | David Richardson, Camden Water Utilities<br>P 870835-7331                           | PO Drawer J<br>Camden, AR 71711                           | Doug Hawkins    | Boyd Hirtz      | CIPP - AR | 8/31/09       | \$ 81,321.00     | 1525          | 1525             | 15"               |
| 1056     | Village of Brighton, IL<br>8" CIPP Sewer Rehab                                                                     | Tim Ferguson, Village of Brighton<br>P 618072-8660<br>F 618072-7068                 | 206 South Main Street<br>Brighton, IL 62012               | Jeff Hirtz      | Tim Bussen      | CIPP - IL | 6/18/09       | \$ 25,255.00     | 925           | 925              | 8"                |
| 1057     | City of Scottsdale, AZ<br>Indian School Rd - CIPP of 24" SRP<br>sub to Achen-Gardner Engineering                   | Brian Froelich, Achen-Gardner Engineering, LLC<br>P 602376-0103                     | 550 S. 79th St.<br>Chandler, AZ 85226                     | Jeff Oberholzer | Cory Street     | CIPP - AZ | 7/6/09        | \$ 59,245.00     | 374           | 374              | 24"               |

## SAK CONSTRUCTION PROJECTS LIST

| Yp Job # | Owner                                                                                               | Contact Name, Telephone, & Fax                                                                      | Address                                                      | Superintendent  | Project Manager | Type      | Complete Date | Completed Amount | Total Footage | Footage Complete | Diameters                                       |
|----------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------|-----------------|-----------|---------------|------------------|---------------|------------------|-------------------------------------------------|
| 1058     | City of Peoria, AZ<br>Northern 91st to 98th - CIPP of 36" sub to Quest Civil Constructors           | Nick Mason, Quest Civil Constructors, Inc.<br>P 602/725-6286<br>F 623/581-9710                      | 2222 W. Peoria Ln.<br>Phoenix, AZ 85027                      | Jeff Oberholzer | Cory Street     | CIPP - AZ | 9/30/09       | \$ 475,815.45    | 4051          | 4051             | 36"                                             |
| 10059    | City of St. Paul, MN<br>Greenbriar/Lawson CIPP Sewer Lining Project                                 | Patrick Lowry, City of St. Paul<br>P 651/268-5251<br>F 651/298-5821                                 | 25 W. 4th St.<br>St. Paul, MN 55102                          | Jason Laney     | Tim Bussen      | CIPP - MN | 7/31/10       | \$ 1,382,882.67  | 6812          | 6812             | 30", 33", 36", 39", 42", 48", 54", 60", 72"     |
| 1060     | MSD St. Louis<br>48" CIPP as sub to Bates Utility Co.                                               | Kim Bates, Bates Utility Co.<br>P 636/933-5628                                                      | 841 Westwood Industrial Park Dr.<br>Wildon Springs, MO 63304 | Jeff Hirtz      | Tim Bussen      | CIPP - MO | 8/31/09       | \$ 35,000.00     | 100           | 100              | 48"                                             |
| 1061     | Metro Wastewater Reclamation District (CD)<br>PAR 1112 - Interceptor Rehab 2008                     | Matthew Duncan, Metro Wastewater Recl. Dist.<br>P 303/285-3422<br>F 303/285-3039                    | 6450 York St.<br>Denver, CO 80228                            | Ricky Laws      | Cory Street     | CIPP - CO | 7/31/10       | \$ 2,685,048.61  | 12281         | 12281            | 8", 10", 15", 18", 24", 27", 30", 36", 39", 42" |
| 1062     | Yavapai-Apache Nation (AZ)<br>Sewerline Replacement Proj. WA 05-08                                  | Kan Fitzgerald, Sr. Field Engr. Indian Health Services<br>P 480/592-0091 ext. 217<br>F 480/592-0086 | 2400 W. Datai St.<br>Camp Verde, AZ 86322                    | Jeff Oberholzer | Cory Street     | CIPP - AZ | 11/12/09      | \$ 282,920.00    | 6000          | 6000             | 8"                                              |
| 1063     | Marysville, KS<br>Sanitary Sewer Rehab Project 2009                                                 | Rick Shann, City Administrator, Marysville, KS<br>P 785/592-5331                                    | City Hall<br>Marysville, KS 66508                            | Danny Brown     | Tim Bussen      | CIPP - KS | 9/30/09       | \$ 57,696.30     | 2514          | 2514             | 8"                                              |
| 1064     | City of St. Joseph, MO<br>Crelex Concrete 36" CIPP sub to Crelex Concrete                           | Steve Rowland, Crelex Concrete Products Midwest,<br>P 813/422-3634<br>F 816/271-4803                | 1100 Frederick Ave.<br>St. Joseph, MO 64501                  | Jeff Hirtz      | Tim Bussen      | CIPP - MO | 10/15/09      | \$ 105,656.00    | 707           | 707              | 36"                                             |
| 1065     | City of St. Joseph, MO<br>CIPP Project                                                              | Gary Latta, City of St. Joseph, MO<br>P 816/271-4846<br>F 816/271-4803                              | 1100 Frederick Ave.<br>St. Joseph, MO 64501                  | Danny Brown     | Tim Bussen      | CIPP - MO | 5/6/10        | \$ 530,897.63    | 4387          | 4387             | 8", 10", 12", 15", 18", 21", 24", 27", 36"      |
| 1066     | BNSF Railroad, Newton, KS<br>sub to Kaesck Construction Co.                                         | Jim Kaesck, Kaesck Construction Company<br>P 916/263-5530<br>F 916/653-1557                         | 8131 Indiana Ave.<br>St. Joseph, MO 64501                    | Danny Brown     | Tim Bussen      | CIPP - KS | 8/18/09       | \$ 58,105.00     | 483           | 483              | 6", 8"                                          |
| 1067     | City of Melbourne, FL<br>DB Lee Water Reclamation Plant<br>50 LF of 42" Diameter CIPP               | Mike Bunk, City of Melbourne, FL<br>P 321/255-4617                                                  | 900 E. Strawbridge Ave.<br>Melbourne, FL 32901               | Doug Hawkins    | Tim Bussen      | CIPP - FL | 9/30/09       | \$ 30,000.00     | 50            | 50               | 42"                                             |
| 1068     | City of Belton, MO - CIPP Lining                                                                    | Dennis Hudson, City of Belton, MO<br>P 816/331-7789<br>F 816/322-9823                               | 21200 Millan Rd.<br>Belton, MO 64012                         | Danny Brown     | Tim Bussen      | CIPP - MO | 3/9/10        | \$ 181,805.05    | 4703          | 4703             | 9", 10"                                         |
| 1069     | City of Lincoln/Lancaster County, NE<br>2009/09 Rehabilitation of Sanitary Sewer by Liner Insertion | Brian Kramer, City of Lincoln, NE<br>P 402/441-7885<br>F 402/441-6809                               | 555 South 10th St., Room 203<br>Lincoln, NE 68506            | Mike Stubbs     | Tim Bussen      | CIPP - NE | 6/31/10       | \$ 402,147.08    | 16926         | 16926            | 8", 10", 12"                                    |
| 1070     | City of Jefferson, MO - Basin 15 Rehabilitation                                                     | Eric Saanen, P.E., City of Jefferson, MO<br>P 573/634-4443<br>F 573/634-4457                        | 320 E. McCarty<br>Jefferson City, MO 65101                   | Chad Ruether    | Tim Bussen      | CIPP - MO | 9/30/10       | \$ 1,593,420.00  | 65379         | 65379            | 6", 8", 10", 12", 15", 54"                      |
| 1072     | Salt Lake City Suburban Sanitary District #1 (UT)<br>CIP Line Rehabilitation 2009-2010              | Don Telford, P.E., SLCSSD #1<br>P 801/262-9904<br>F 801/265-5551                                    | 3932 S. 500 E<br>Salt Lake City, UT 84107                    | Jeff Oberholzer | Cory Street     | CIPP - UT | 3/18/10       | \$ 528,552.00    | 12786         | 12786            | 12", 15", 18"                                   |
| 1074     | City of Vermillion, SD - Vermillion Sanitary Sewer Improvements                                     | Scott Mohr, P.E., Banner Associates, Inc.<br>P 605/682-6342<br>F 605/677-5461                       | 25 Cedar Street<br>Vermillion, SD 57069                      | Danny Brown     | Tim Bussen      | CIPP - SD | 7/23/10       | \$ 962,385.34    | 17968         | 17968            | 8", 10", 12", 15", 18"                          |
| 1075     | Village of Albers, IL - Sewer Lining                                                                | Jesse Maynard, E.I., HMG Engineers<br>P 815/596-3711                                                | 205 W. Dwight Street<br>Albers, IL 62215                     | Jeff Hirtz      | Tim Bussen      | CIPP - IL | 12/9/08       | \$ 36,373.50     | 1580          | 1580             | 8"                                              |
| 1076     | City of Spring Hill, KS - Sanitary Sewer Improvements                                               | Julie Parker, Ponzer-Youngquist Engineers<br>P 913/782-0541<br>F 913/782-0109                       | 401 N. Madison<br>Spring Hill, KS 66083-0424                 | Danny Brown     | Tim Bussen      | CIPP - KS | 12/15/09      | \$ 145,285.00    | 5072          | 5072             | 8", 10"                                         |
| 10077    | Village of Palm Springs, FL<br>CIPP Lining of 8" Sanitary Sewer Line on Purdy Lane at Rue Road      | Bill Oleva, Village of Palm Springs, FL<br>P 381/965-5770                                           | 228 Cypress Lane<br>Palm Springs, FL 33481                   | Doug Hawkins    | Cassy Paezonka  | CIPP - FL | 8/15/09       | \$ 11,864.00     | 382           | 382              | 8"                                              |

## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                                                                       | Contact Name, Telephone, & Fax                                                                             | Address                                              | Superintendent               | Project Manager | Type      | Complete Date | Completed Amount | Total Footage | Footage Complete | Dimeters                                 |
|----------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------------------------------|-----------------|-----------|---------------|------------------|---------------|------------------|------------------------------------------|
| 1078     | City of Maryville, MO<br>CIPP Lining of 10" Diameter Sanitary Sewer Line                                    | Eric Lunica, City of Maryville, MO<br>P 800/962-3713                                                       | 415 N. Market St.<br>Maryville, MO 64468             | Danny Brown                  | Tim Bussen      | CIPP - MO | 10/6/09       | \$ 17,486.25     | 507           | 507              | 10"                                      |
| 1079     | City of Eldon, MO - Collection System Improvements<br>sub to Stockman Construction Corp.<br>in Miller Co.   | Luke Hailer, Stockman Construction Corp.<br>P 573/8635-1316                                                | 2021 Kildwood Road<br>Jefferson City, MO 65109       | Danny Brown                  | Tim Bussen      | CIPP - MO | 12/1/09       | \$ 31,697.00     | 1260          | 1260             | 12"                                      |
| 1080     | City of Live Oak, FL - Live Oak Sewer Rehabilitation<br>sub to WRS Compass                                  | Troy Freed, WRS Compass<br>F 880/213-4408<br>F 880/262-2278                                                | 101 White Ave. S.E.<br>Live Oak, FL 32084            | Doug Hawkins                 | Cassy Placzonka | CIPP - FL | 5/31/10       | \$ 1,420,246.86  | 36500         | 36500            | 6", 8", 10", 12", 15"                    |
| 1081     | City of Pittsburg, KS - Sanitary Sewer Line Repair<br>Project 1                                             | Bruce D. Remsburg, P.E.,<br>Professional Engineering Consultants, P.A.<br>P 620/233-9185<br>F 820/233-1011 | 201 W. 4th<br>Pittsburg, KS 66762                    | Danny Brown                  | Tim Bussen      | CIPP - KS | 6/1/10        | \$ 645,033.88    | 21785         | 21785            | 8", 10", 12", 15", 18"                   |
| 1082     | City of Shawnee, KS - Storm Sewer Rehab                                                                     | Kenny Khongmaly, City of Shawnee, KS<br>P 913/742-6232                                                     | 11110 Johnson Drive<br>Shawnee, KS 66203             | Danny Brown                  | Tim Bussen      | CIPP - KS | 11/20/09      | \$ 23,835.00     | 185           | 185              | 30"                                      |
| 1084     | City of O'Fallon, MO - Walmart O'Fallon 8" CIPP<br>sub to Weis Builders                                     | Buddy Hulbert, Weis Builders<br>P 612/802-1702                                                             | 7645 Lyndale Avenue South<br>Minneapolis, MN 55423   | Jason Laney                  | Tim Bussen      | CIPP - MO | 10/27/08      | \$ 13,036.00     | 203           | 203              | 8"                                       |
| 1085     | Galesburg, IL - Sewer Improvements                                                                          | George Soper, Bruner, Cooper & Zuck<br>P 309/243-9282<br>F 309/243-5232                                    | 2700 West Main Street<br>Galesburg, IL 64401         | Jeff Hitz                    | Tim Bussen      | CIPP - IL | 4/22/10       | \$ 249,064.25    | 3471          | 3471             | 10", 18", 24", 27"                       |
| 1086     | City of Law's Summit, MO - CIPP Rehabilitation 2010                                                         | Ryan Radloff, City of Law's Summit, MO<br>P 616/868-1600<br>F 616/868-1975                                 | 220 SE Green Street<br>Law's Summit, MO 64083        | Danny Brown                  | Tim Bussen      | CIPP - MO | 4/29/10       | \$ 224,849.40    | 8503          | 8503             | 8", 10", 12"                             |
| 1087     | City of Grain Valley, MO - Grain Valley Sewer<br>Rehabilitation<br>sub to TREKK Design Group, LLC           | Cliff Gale, P.E., TREKK Design Group, LLC<br>P 816/874-4658                                                | 1441 E. 104th<br>Kansas City, MO 64131               | Danny Brown                  | Tim Bussen      | CIPP - MO | 3/19/10       | \$ 59,805.00     | 2300          | 2300             | 8"                                       |
| 1088     | Salt River Project (SRP); Phoenix, AZ<br>SRP - 67th Avenue & Northern                                       | Dave Kiefer, SRP<br>P 602/808-1371<br>F 602/238-2170                                                       | 1521 N. Project Dr.<br>Tempe, AZ 85281               | Jeff Oberholzer              | Cory Steel      | CIPP - AZ | 1/18/10       | \$ 641,247.75    | 1660          | 1660             | 48", 54"                                 |
| 1089     | Prairie Development Group; Kansas City, MO<br>Riverstone Apartments 8-inch line                             | Monte Wendler, Price Development Group<br>P 816/238-5880<br>F 816/238-5883                                 | 104W. 8th Street, Suite 205<br>Kansas City, MO 64105 | Danny Brown                  |                 | CIPP - MO | 12/18/09      | \$ 11,000.00     | 200           | 200              | 8"                                       |
| 1090     | County Sanitation Districts of Los Angeles<br>Los Coyotes Interceptor Sewer Rehabilitation, Phase II        | Mike Telodoch, CSD of Los Angeles<br>P 562/819-4288 ext. 1823<br>F 562/695-6139                            | 1855 Workman Mill Rd.<br>Whittier, CA 90607          | Jeff Oberholzer              | Jeff Rubio      | CIPP - CA | 9/15/11       | \$ 10,381,360.00 | 10505         | 10505            | 54", 60", 63", 75", 78"                  |
| 1091     | Unified Government of Wyandotte Co., KS<br>2009 Trenchless Rehab                                            | John Markhus, Unified Govt. of Wyandotte Co., KS<br>P 913/573-5700<br>F 913/573-5435                       | 701 N. 7th St.<br>Kansas City, KS 66101              | Danny Brown                  | Tim Bussen      | CIPP - KS | 8/30/10       | \$ 274,471.66    | 9781          | 9781             | 8", 10", 12", 15", 24"                   |
| 1093     | Salt River Project (SRP); Phoenix, AZ<br>SRP - Country Club & University                                    | Dave Kiefer, SRP<br>P 602/808-1371                                                                         | 1521 N. Project Dr.<br>Tempe, AZ 85281               | Jeff Oberholzer              | Cory Steel      | CIPP - AZ | 3/2/10        | \$ 84,228.20     | 440           | 440              | 42", 48"                                 |
| 1099     | City of Tempe, AZ - Southern Ave. Interceptor Rehab,<br>Phase II<br>sub to Acheson-Centner Engineering, LLC | Dan Brodenck, Acheson-Centner Engineering, LLC<br>P 480/940-1300<br>F 480/940-4576                         | 550 S. 79th St.<br>Chandler, AZ 85226                | Jeff Oberholzer              | Cory Steel      | CIPP - AZ | 8/31/10       | \$ 5,001,395.25  | 18269         | 18269            | 36", 48"                                 |
| 10101    | City and County of Denver, CO - 2009 Sanitary<br>Master Plan<br>Improvements - Contract No. CE90687         | Rick Zinnat, City & County of Denver<br>P 303/446-3718<br>F 720/813-1806                                   | 201 W. Colfax Ave.<br>Denver, CO 80202               | Ricky Laws                   | Cory Steel      | CIPP - CO | 10/15/10      | \$ 3,055,074.00  | 69191         | 69191            | 8", 10", 12", 15", 18", 21",<br>24", 27" |
| 10102    | Chillicothe, MO - Inflow Infiltration Reduction                                                             | Dick Rhoads, Rhoads Engineering Co., Inc.<br>P 660/254-7745<br>F 660/446-6611                              | 715 Washington St.<br>Chillicothe, MO 64601          | Chad Rusher/Jason<br>Hoffman | Tim Bussen      | CIPP - MO | 6/2/11        | \$ 1,879,742.78  | 36006         | 36006            | 8", 16", 21"                             |
| 1106     | City of Blue Springs, MO - 2010 Sewer Rehabilitation                                                        | Rodney Jones, City of Blue Springs, MO<br>P 816/228-0185<br>F 816/228-7592                                 | 803 W. Main St.<br>Blue Springs, MO 64015            | Danny Brown                  | Tim Bussen      | CIPP - MO | 5/3/10        | \$ 252,871.90    | 14728         | 14728            | 6", 8"                                   |



## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                                                                       | Contact Name, Telephone, & Fax                                                          | Address                                                 | Superintendent  | Project Manager | Type      | Complete Date | Completed Amount | Total Footage | Footage Complete | Diameter                         |
|----------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------|-----------------|-----------|---------------|------------------|---------------|------------------|----------------------------------|
| 10110    | City of Warsaw, MO - Sanitary Sewer (SI) Repairs<br>Subcontractor to J.C. Industries, Inc.                  | Doug Adrian, J.C. Industries, Inc.<br>P 573636-2111<br>F 573636-2111                    | PO Box 104667<br>Jefferson City, MO 65110               | Danny Brown     | Tim Bussen      | CIPP - MO | 6/30/10       | \$ 485,345.75    | 21010         | 21010            | 8", 12", 18"                     |
| 1111     | Self River Project (SRP); Phoenix, AZ<br>SRP Main & Stepley                                                 | Dave Keller, SRP<br>P 602/808-1371<br>F 602/236-2170                                    | 1521 N. Project Dr.<br>Tampa, AZ 85281                  | Jeff Oberholzer | Cory Street     | CIPP - AZ | 3/28/10       | \$ 118,450.53    | 588           | 588              | 24", 33", 36"                    |
| 1112     | City of West Palm Beach, FL - Monroe Drive Utility Improvements<br>Subcontractor to Chaz Equipment          | Howard Wright, Chaz Equipment<br>P 561/333-2108                                         | 3180 Fairlane Farms Rd.#1<br>Wellington, FL 33414       | Doug Hawkins    | Casey P         | CIPP - FL | 9/1/10        | \$ 87,000.00     | 200           | 200              | 24", 54"                         |
| 1113     | City of Boynton Beach, FL<br>CIPP Lining of 10" Diameter Sewer                                              | Tony Lombardi, City of Boynton Beach<br>P 561/742-6621                                  | 100 E. Boynton Beach Blvd.<br>Boynton Beach, FL 33435   | Doug Hawkins    | Casey P         | CIPP - FL | 2/12/10       | \$ 4,151.20      | 138           | 138              | 10"                              |
| 10114    | Kansas City, MO Water Services Dept;<br>Line Creek Sewer Rehabilitation                                     | Matt Thomas, Kansas City, MO Water Services Dept<br>P 816/453-0288<br>F 816/513-0343    | 4800 W. 63rd St.<br>Kansas City, MO 64130               | Denny Brown     | Tim Bussen      | CIPP - MO | 2/17/11       | \$ 1,565,224.00  | 6307          | 6307             | 36", 48", 54"                    |
| 1115     | City of Lakeland, FL - Sewer Rehabilitation                                                                 | Drew Adcock, City of Lakeland - Water Utilities<br>P 803/354-8704<br>F 803/354-8710     | 228 S. Massachusetts Ave.<br>Lakeland, FL 33801         | Doug Hawkins    | Casey P         | CIPP - FL | 8/31/10       | \$ 480,488.00    | 15532         | 15532            | 8", 8", 10", 12"                 |
| 1116     | HWP Corporation (for City of Tampa, FL)<br>MacDill & Kathleen Road 14" CIPP                                 | Ron Wilken, HWP Corporation<br>P 941/256-6072                                           | 6575 N. Dixie Dr.<br>Dayton, OH 45414                   | Doug Hawkins    | Casey P         | CIPP - FL | 3/10/10       | \$ 22,091.25     | 256           | 256              | 14"                              |
| 1122     | City of Gladstone, MO - 2010 Sanitary Sewer Rehabilitation                                                  | Bryan Maddox, City of Gladstone<br>P 816/423-4155<br>F 816/436-5122                     | 7010 N Holmes<br>Gladstone, MO 64118                    | Danny Brown     | Tim Bussen      | CIPP - MO | 7/15/10       | \$ 246,244.75    | 11428         | 11428            | 8"                               |
| 1125     | Lake City, FL - Sewer Rehabilitation                                                                        | Thomas Henry, Lake City, FL<br>P 386/755-5400                                           | 180 NE Gun Swamp Road<br>Lake City, FL 32055            | Doug Hawkins    | Casey P         | CIPP - FL | 6/5/10        | \$ 42,884.50     | 2086          | 2086             | 8", 10"                          |
| 10126    | Sanitation District No. 1, FL Wright, KY<br>Newport Pavilion                                                | Rich McGillis, Sanitation Dist. No. 1<br>P 859/547-1842<br>F 859/547-1331               | 1045 Eaton Dr.<br>Fort Wright, KY 41017                 | Jason Laney     | Tim Bussen      | CIPP - KY | 3/24/10       | \$ 275,655.80    | 500           | 500              | 48"                              |
| 1127     | Oscar's Sons, Kansas City, KS<br>Paved Lot Driveway Improvement<br>1414 Central Ave., Kansas City, KS 66102 | José Angel Martinez, Architect<br>P 913/625-3700                                        | 10818 Beverly Street<br>Overland Park, KS 66211         | Danny Brown     | Tim Bussen      | CIPP - KS | 4/5/10        | \$ 9,875.00      | 214           | 214              | 10"                              |
| 1128     | Wal-Mart, O'Fallon, MO<br>Subcontractor to Bommarito Construction<br>50 ft of 8-inch CIPP                   | Joe Bommarito, Bommarito Construction<br>P 314/353-0104                                 | 6785 Langley Road<br>St. Louis, MO 63123                | Jason Laney     | Tim Bussen      | CIPP - MO | 3/15/10       | \$ 7,900.00      | 50            | 50               | 8"                               |
| 1129     | City of Cherry Hills Village, CO<br>CIPP Sewer Line Repair                                                  | Kathy McKune, City of Cherry Hills Village, CO<br>P 303/762-8222                        | 2450 E Quincey Ave.<br>Englewood, CO 80113              | Ricky Laws      | Cory Street     | CIPP - CO | 8/1/10        | \$ 30,975.00     | 1050          | 1050             | 8"                               |
| 1130     | City of San Juan Capistrano, CA<br>Hydraulic Capacity Project 1                                             | Joe Mankawich, City of San Juan Capistrano, CA<br>P 949/487-4313<br>F 949/483-1553      | 32400 Paseo Adelanto<br>San Juan Capistrano, CA 92675   | Jeff Oberholzer | Jeff Rubio      | CIPP - CA | 12/5/10       | \$ 707,482.63    | 8840          | 8840             | 8", 18", 21"                     |
| 1131     | City of Madison, IL - Emergency 24" CIPP Meschum<br>Cracking                                                | Steve Osborn, Jumaau Associates, Inc.<br>P 618/677-1400                                 | 2100 State Street<br>Grenville City, IL 62040           | Jason Laney     | Tim Bussen      | CIPP - IL | 5/15/10       | \$ 32,731.40     | 182           | 182              | 24"                              |
| 1132     | Little Rock Wastewater Utility (AR)<br>Tamarack Pines Condominiums, Proj. # 4081600                         | Keith Brown, Little Rock Wastewater Utility<br>P 501/223-1500                           | 11 Clearwater Dr.<br>Little Rock, AR 72204              | Doug Hawkins    | Boyd Hirtz      | CIPP - AR | 8/25/10       | \$ 54,375.11     | 935           | 935              | 6"                               |
| 1134     | Granger-Hunter Improvement District (UT)<br>District 10H Sewer Rehabilitation Project                       | Brad Pauman, P.E., Granger-Hunter Improvement Dist.<br>P 801/968-3551<br>F 801/968-5487 | 2888 South 3600 West<br>West Valley City, UT 84176-1110 | Jeff Oberholzer | Cory Street     | CIPP - UT | 12/20/10      | \$ 613,486.00    | 11368         | 11368            | 8", 12", 15", 18", 21", 24", 30" |
| 1135     | Urbana & Champaign Sanitary District (IL)<br>2011 Interceptor Rehabilitation                                | Christina Childress, Sodemann & Associates<br>P 217/352-7688<br>F 217/367-2803          | 340 N. Neil St.<br>Champaign, IL 61820                  | Matt Hirtz      | Tim Bussen      | CIPP - IL | 12/5/10       | \$ 520,801.90    | 6402          | 6402             | 15", 18"                         |



## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                                                                                                | Contact Name, Telephone, & Fax                                                           | Address                                                              | Superintendent  | Project Manager | Type      | Complete Date | Completed Amount | Total Footage | Footage Complete | Dimensions                                 |
|----------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------|-----------------|-----------|---------------|------------------|---------------|------------------|--------------------------------------------|
| 10136    | Bannemeyer Construction, Inc.<br>I.D.O.T. Contract #76833 Madison County, IL                                                         | Dave Bannemeyer, Bannemeyer Construction, Inc.<br>P 618939-3000 ext. 19<br>F 618939-4298 | 1034 Florville Rd.<br>Watertown, IL 62298                            | Jeff Hirtz      | Tim Bussen      | CIPP - IL | 1/23/11       | \$ 272,475.00    | 2203          | 2203             | 12", 18", 24", 36"                         |
| 10137    | Paduch-McCracken Joint Sewer Agency<br>Contract No. 8 Wastewater Collection System<br>Rehabilitation                                 | John Hodges, Paduch-McCracken JSA<br>P 270575-0056<br>F 270444-0208                      | 621 Northview St.<br>Paducah, KY 42001                               | Chad Risher     | Tim Bussen      | CIPP - KY | 2/1/11        | \$ 1,218,446.65  | 31253         | 31253            | 6", 8", 10", 12", 21"                      |
| 1138     | Palm Beach State College, Lake Worth, FL<br>8-inch Sewer CIPP Rehabilitation                                                         | Doug Todd, Fairbairn MCI<br>P 561034-7881<br>F 561034-7802                               | 4200 Congress Ave.<br>Lake Worth, FL 33461                           | Doug Hawkins    | Casey P         | CIPP - FL | 8/10/10       | \$ 112,875.00    | 4100          | 4100             | 8"                                         |
| 1140     | Central Missouri Professional Services (MO)<br>JCPS 8-inch Sewer Rehabilitation                                                      | Mike Bates, Central Mo. Professional Services, Inc.<br>P 573634-3465                     | 2500 E. McCarty Street<br>Jefferson City, MO 65109                   | Chad Risher     | Tim Bussen      | CIPP - MO | 8/14/10       | \$ 18,979.80     | 926           | 926              | 8"                                         |
| 1142     | City of Phoenix, AZ COP Proj. #W50050115<br>JOA #021 PVC Lined Concrete S.S. Rehabilitation<br>sub to Achen-Gardner Engineering, LLC | Chris Deall, Achen-Gardner Engineering, LLC<br>P 480940-1300                             | 550 S. 78th St.<br>Chandler, AZ 85226                                | Jeff Oberholzer | Cory Street     | CIPP - AZ | 10/20/10      | \$ 84,808.20     | 125           | 125              | 30"                                        |
| 1143     | Budovich Excavating & Grading<br>Edward Jones Campus 10-inch Sewer CIPP                                                              | Kurt Dulla, Budovich Excavating & Grading<br>P 314882-4666                               | 10328 Lake Blvd Dr.<br>St. Louis, MO 63123                           | Jason Laney     | Tim Bussen      | CIPP - MO | 7/15/10       | \$ 32,501.50     | 705           | 705              | 10"                                        |
| 1144     | City of Riverside (CA) Public Works<br>Canyon Creek Sewer Rehabilitation                                                             | Lanny Young, P.E., City of Riverside<br>951626-5294                                      | 3800 Main Street - 4th Floor<br>Riverside, CA 92522                  | Jeff Oberholzer | Tim Bussen      | CIPP - CA | 8/8/10        | \$ 73,889.05     | 410           | 410              | 8", 54"                                    |
| 1145     | Kansas Dept. of Health & Environment (KS)<br>Emergency CIPP 8-inch Sanitary Sewer Lining                                             | Randy Carlson, KS Dept. of Health & Environment<br>785286-1878                           | 1000 SW Jackson Street, Suite 410<br>Topeka, KS 66612-1367           | Danny Brown     | Tim Bussen      | CIPP - KS | 7/21/10       | \$ 27,188.75     | 777           | 777              | 8"                                         |
| 1146     | 2010 NSRP Trenchless Emergency<br>Kansas City, KS                                                                                    | United Gov Wyandotte County<br>P 813673-5440<br>F 813673-5444                            | Public Works Dept.<br>701 N. 7th St. Rm 712<br>Kansas City, KS 66101 | Danny Brown     | Tim Bussen      | CIPP - KS | 8/27/10       | \$ 208,732.25    | 5414          | 5414             | 8", 10", 12", 15", 18", 24", 36"           |
| 1147     | Gurly Street Storm Sewer Lining<br>Lake City, FL                                                                                     | City of Lake City<br>P 388756-5456                                                       | 205 N. Marion Ave.<br>Lake City, FL 32055                            | Doug Hawkins    | Casey Piccinola | CIPP - FL | 7/20/10       | \$ 46,708.75     | 725           | 725              | 18" & 24"                                  |
| 1150     | City of Chattanooga, TN<br>Upper Armistice and Tiffone Interceptors<br>Rehabilitation                                                | William C. Payne, P.E., City of Chattanooga<br>P 423643-8160                             | 1250 Market Street<br>Suite 2100<br>Chattanooga, TN 37402            | Jimmy Witt      | Jimmy Witt      | CIPP - TN | 3/21/11       | \$ 2,854,155.32  | 11500         | 11500            | 15", 18", 24", 48"                         |
| 1151     | CIPP Rehab of Hickberry Creek<br>Irving, TX                                                                                          | David Evans, P.E., City of Irving<br>P 972771-2600                                       | 825 W. Irving Blvd.<br>Irving, TX 75060                              | Billy Gates     | Jimmy Witt      | CIPP - TX | 1/14/11       | \$ 736,968.50    | 2173          | 2173             | 20", 27", 42", 54"                         |
| 10152    | St. Joseph, MO - 2010 CIPP Program                                                                                                   | Gary Lebin, City of St. Joseph<br>P 819271-4761                                          | 1100 Frederick Ave.<br>St. Joseph, MO 64501                          | Danny Brown     | Tim Bussen      | CIPP - MO | 6/2/11        | \$ 1,188,207.51  | 19717         | 19717            | 8", 10", 12", 15", 18", 21", 24", 30", 36" |
| 10153    | Los Angeles, CA - Joint Outfall "B" Unit B1 Trunk<br>Sewer                                                                           | Stephan Maguin, CSD of Los Angeles<br>562689-7413                                        | 1955 Workman Mill Rd.<br>Whittier, CA 90607                          | Jeff Oberholzer | Jeff Rubio      | CIPP - CA | 5/11/11       | \$ 458,065.00    | 3240          | 3240             | 14", 15", 18", 18", 20"                    |
| 10154    | Tampa, AZ - Achen Gardner, SAI Rehab Phase 2,<br>Southern Ave                                                                        | Dan Broderick, Achen-Gardner Engineering, LLC<br>P 480940-1300<br>F 480940-4576          | 550 S. 78th St.<br>Chandler, AZ 85226                                | Jeff Oberholzer | Cory Street     | CIPP - AZ | 2/28/11       | \$ 3,403,584.24  | 9510          | 9510             | 36", 42"                                   |
| 10155    | Tampa, AZ - Achen Gardner, SAI Rehab Phase 2,<br>Prest Dr                                                                            | Dan Broderick, Achen-Gardner Engineering, LLC<br>P 480940-1300<br>F 480940-4576          | 550 S. 78th St.<br>Chandler, AZ 85226                                | Jeff Oberholzer | Cory Street     | CIPP - AZ | 2/28/11       | \$ 866,963.02    | 3100          | 3100             | 48"                                        |
| 1156     | Blue Springs MO 2010 SS Rehab<br>Blue Springs, MO                                                                                    | Jeff Meek, City of Blue Springs<br>P 816228-0185<br>F 816228-0286                        | 903 Main Street<br>Blue Springs, MO 64015                            | Danny Brown     | Tim Bussen      | CIPP - MO | 4/15/11       | \$ 251,428.80    | 11872         | 11872            | 8", 12", 21"                               |
| 10157    | Granite City, IL - 2010 Sewer Repairs                                                                                                | Dave Bannemeyer, Bannemeyer Construction, Inc.<br>P 618939-3000 ext. 19<br>F 618939-4298 | 1034 Florville Rd.<br>Watertown, IL 62298                            | Jeff Hirtz      | Tim Bussen      | CIPP - IL | 3/24/11       | \$ 41,012.50     | 738           | 738              | 12", 24"                                   |

## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                        | Contact Name, Telephone, & Fax                                                       | Address                                                                          | Superintendent  | Project Manager | Type      | Complete Date | Completed Amount | Total Footage | Footage Complete | Diameters         |
|----------|--------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------|-----------------|-----------|---------------|------------------|---------------|------------------|-------------------|
| 1158     | Annual Rehab - Seacoast Utility<br>Palm Beach Garden, FL     | Jeffery Callahan, Seacoast Utility Authority<br>561.827-2900                         | 4200 Hood Rd.<br>Palm Beach Gardens, FL 33410                                    | Doug Hawkins    | Cassy Peczinka  | CIPP - FL | 9/30/10       | \$ 145,216.00    | 5100          | 5100             | 8"                |
| 1159     | CIPP Storm Sewer Lining<br>Fairway, KS                       | Bill Steward, City of Fairway<br>P 913/582-0350                                      | 5505 Buena Vista<br>Fairway, KS 66205                                            | Danny Brown     | Tim Bussen      | CIPP - KS | 9/3/10        | \$ 14,688.00     | 200           | 200              | 18"               |
| 1160     | CIPP Sanitary Sewer Lining<br>Raymore, MO                    | Mike Kross, City of Raymore<br>P 816/331-0488                                        | 100 Municipal Circle<br>Raymore, MO 64083                                        | Danny Brown     | Tim Bussen      | CIPP - MO | 9/3/10        | \$ 13,800.00     | 345           | 345              | 8"                |
| 1161     | 2010 Sewer Lining Project<br>Concordia, MO                   | Dale Klusman, City of Concordia<br>P 660/463-2228                                    | 818 S. Main St.<br>Concordia, MO 64220                                           | Danny Brown     | Tim Bussen      | CIPP - MO | 8/3/10        | \$ 18,613.00     | 644           | 644              | 8"                |
| 10168    | Sauget, IL<br>Center Ebraud CIPP                             | Wes Design Group<br>P 636/207-0832<br>F 636/207-0328                                 | 15206 Westwoods Business Dr.<br>Ellettsville, MO 63021                           | Jason Laney     | Tim Bussen      | CIPP - IL | 10/22/10      | \$ 181,943.20    | 680           | 680              | 36"               |
| 1169     | Macon Municipal Utilities Refining<br>Macon, MO              | Stephanie Wilson, Macon Municipal Utilities<br>P 660/285-3173<br>F 660/285-6554      | 108 West Bourke<br>PO Box 568<br>Macon, MO 63552                                 | Chad Rusher     | Tim Bussen      | CIPP - MO | 3/25/11       | \$ 100,730.80    | 3365          | 3365             | 8"                |
| 10170    | Mesa, AZ - B & F Contracting Rehabilitate Southern<br>Ave WW | B & F Contracting, Inc.<br>P 602/982-1170<br>F 602/982-1170                          | 11011 N 23rd Avenue<br>Phoenix, AZ 85029-4807                                    | Jeff Oberholzer | Cory Street     | CIPP - AZ | 3/18/11       | \$ 1,810,689.16  | 19636         | 19636            | 33", 36"          |
| 1171     | 2010 CIPP Project<br>Englewood, CO                           | Cherry Hills Village Sanitation District<br>P 303/762-4222<br>F 303/762-4381         | Sanitation District<br>3333 So. Bennock Street, Suite 250<br>Englewood, CO 80110 | Mike Stubbs     | Cory Street     | CIPP - CO | 11/26/10      | \$ 96,776.50     | 2863          | 2863             | 8"                |
| 10172    | Johnson County, KS - SS Line Rehab Auth 14                   | Johnson County Wastewater<br>P 913/715-5500<br>F 913/715-5501                        | 11811 S. Sunset Drive, #2500<br>Olathe, KS 66061                                 | Danny Brown     | Tim Bussen      | CIPP - KS | 10/4/11       | \$ 455,461.62    | 22472         | 22472            | 8", 12", 15", 21" |
| 1174     | Covenant House Apt Bldg A<br>St. Louis, MO                   | Nick Golubskis, Community Housing Mgmt Corp<br>P 253/244-5300<br>F 253/244-5301      | 8 Millstone Campus, Suite 2000<br>St. Louis, MO 63146                            | Matt Hirtz      | Tim Bussen      | CIPP - MO | 12/31/10      | \$ 25,290.00     | 279           | 279              | 15"               |
| 1177     | Cerlyle Lake Replacement<br>Caryle Lake, IL                  | Mike Coffman, Sub to Chumlee General Corporation<br>P 253/244-5300<br>F 253/244-5301 | 33810 Weyerhaeuser Way S., Suite 100<br>Federal Way, WA 98001                    | Matt Hirtz      | Tim Bussen      | CIPP - IL | 11/5/10       | \$ 21,500.00     | 100           | 100              | 8"                |
| 10178    | Humboldt, IA - Sliplining                                    | Humboldt IA, City of<br>P 515/232-3435<br>F 515/232-1433                             | PO Box 529<br>Humboldt, IA 50548-0528                                            | Chad Rusher     | Tim Bussen      | CIPP - IA | 5/23/11       | \$ 165,325.00    | 3400          | 3400             | 12", 15"          |
| 10180    | Joplin, MO - 1010 Sewer Rehabilitation Project               | Linda White, Joplin, City of<br>P 417/624-0820<br>F 417/624-4738                     | 602 S. Main Street<br>Joplin, MO 64801                                           | Chad Rusher     | Tim Bussen      | CIPP - MO | 6/1/11        | \$ 608,503.37    | 20356         | 20356            | 8", 10", 12", 15" |
| 10181    | Los Angeles, CA - Wright Road Trunk Sewer Rehab              | Stephen Maguin, CEO of Los Angeles<br>P 562/699-7411<br>F 562/699-5422               | 1855 Workman Mill Rd<br>PO Box 4898<br>Whittier, CA 90601                        | Jeff Oberholzer | Jeff Rubio      | CIPP - CA | 5/11/11       | \$ 457,000.00    | 2100          | 2100             | 27"               |
| 10186    | Moberly, MO - CIPP Lining                                    | Keith Phillips, City of Moberly, MO<br>P 660/286-6705                                | 101 W Reed St.<br>Moberly, MO 65270                                              | Chad Rusher     | Tim Bussen      | CIPP - MO | 7/21/11       | \$ 17,730.00     | 335           | 335              | 12"               |
| 1187     | Clay City 6th Street Sanitary<br>Clay City, IL               | Village of Clay City                                                                 | City Hall<br>318 S. Walnut St.,<br>Clay City, IL 62424                           | Matt Hirtz      | Tim Bussen      | CIPP - IL | 2/4/11        | \$ 14,357.50     | 820           | 820              | 8"                |
| 10188    | Tempe, AZ - Hunter Contracting Tempe Irrigation<br>System    | Rob Padilla, Hunter Contracting Co.<br>P 480/892-0521                                | PO Box 900<br>Gilbert, AZ 85233-9000                                             | Jeff Oberholzer | Cory Street     | CIPP - AZ | 2/28/11       | \$ 99,886.50     | 2440          | 2440             | 14"               |
| 10189    | Las Vegas, NV - Las Vegas Paving Vegas Valley<br>Drive       | Andy Michalsky, Las Vegas Paving Corp.<br>P 702/251-5800<br>F 702/251-1868           | 4420 South Decatur Blvd.<br>Las Vegas, NV 89103-5803                             | Jeff Oberholzer | Cory Street     | CIPP - NV | 8/25/11       | \$ 1,036,160.00  | 1745          | 1745             | 57", 66"          |

## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                               | Contact Name, Telephone, & Fax                                                                             | Address                                                                       | Superintendent  | Project Manager | Type            | Complete Date | Completed Amount | Total Footage | Footage Complete | Diameters                                 |
|----------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------|-----------------|-----------------|---------------|------------------|---------------|------------------|-------------------------------------------|
| 11011    | Lee's Summit, MO - CIPP Rehabilitation 2011                         | Ryan Ratliff, City of Lee's Summit, MO<br>P 816068-1900<br>F 816068-1975                                   | 220 SE Green Street<br>Lee's Summit, MO 64083                                 | Danny Brown     | Tim Bussen      | CIPP - MO       | 6/16/11       | \$ 277,014.80    | 13148         | 13148            | 8", 10"                                   |
| 10192    | Marshalltown, IA - 2008 Sanitary Sewer Rehab Project                | Lynn E. Couch, City of Marshalltown IA<br>P 641754-5709<br>F 641754-5741                                   | 1001 Woodland St.<br>Marshalltown, IA 50158-1810                              | Chad Rusher     | Tim Bussen      | CIPP - IA       | 7/14/12       | \$ 2,078,351.16  | 113107        | 113107           | 6", 8", 10", 12", 15", 18", 21", 24", 30" |
| 10193    | Fort Polk, LA - American Water Enterprises                          | American Water<br>P 850509-4548                                                                            | 1025 Laurel Oak Rd.<br>Voorhees, NJ 08043                                     | Robert Odom     | Jimmy Witt      | CIPP - LA       | 1/11/11       | \$ 542,300.00    | 7130          | 7130             | 8", 10", 12"                              |
| 10195    | Great Lakes, IL - NAVFAC Buckley Road Water Main Repair             | New Magnitude, sub to<br>Intercontinental Construction Contracting, Inc.<br>P 872395-1555<br>F 872395-1553 | 1801 Langdon Ave., 2nd Floor<br>Passaic, NJ 07055                             | Billy Galas     | Jim Blaszczuk   | Aquasipe - IL   | 7/8/11        | \$ 56,122.00     | 150           | 150              | 12"                                       |
| 11012    | Vernon, CA - Vernon Avenue Storm Drain                              | Samuel Kevin Wilson, Vernon, City of<br>P 323653-8911<br>F 323626-1435                                     | Community Services & Water Depart<br>4300 Santa Fe Avenue<br>Vernon, CA 92658 | Jeff Oberholzer | Jeff Rubio      | CIPP - CA       | 11/10/11      | \$ 398,120.41    | 2500          | 2500             | 8", 15", 18", 21"                         |
| 1198     | Albuquerque, NM - Lg Dia Concrete Sewer Rehab FY 2011               | Kevin Osbeck, Sub to Quest Civil Constructors, Inc.<br>P 823581-8700<br>F 823581-8710                      | 1803 W Paradise Lane #100<br>Phoenix, AZ 85027                                | Brad Schenning  | Cory Street     | CIPP - AZ       | 2/4/11        | \$ 25,000.00     | 377           | 377              | 18"                                       |
| 11001    | Pasadena, TX - Tank Mgmt, PO 12411, Zarco 66, 1005 Pearle           | Gregory Menke, sub to RMCI, Inc.<br>P 505245-0009<br>F 505245-0111                                         | PO Box 91447<br>Albuquerque, NM 87189                                         | Jeff Oberholzer | Cory Street     | CIPP - NM       | 12/10/11      | \$ 547,207.68    | 4489          | 4489             | 15", 18", 24"                             |
| 10200    | Pasadena, TX - Tank Mgmt, PO 12411, Zarco 66, 1005 Pearle           | Katy Field, Tank Management Services<br>P 785233-1414                                                      | PO Box 878<br>Albuquerque, NM 87189                                           | Danny Brown     | Tim Bussen      | CIPP - KS       | 2/28/11       | \$ 12,590.47     | 265           | 265              | 8"                                        |
| 1201     | Peculiar, MO<br>CIPP Lining between 3rd and 4th Street              | Robert O'Brien, City of Peculiar<br>P 816778-5212                                                          | 500 Schuch Ave.<br>Peculiar, MO 64078                                         | Danny Brown     | Tim Bussen      | CIPP - MO       | 2/28/11       | \$ 12,240.00     | 340           | 340              | 8"                                        |
| 11015    | Jefferson City, MO - 54" Outfall                                    | Jeff Wilson, Sical Contracting Inc.<br>P 572693-5877<br>F 572693-5509                                      | 1331 Monroe St.<br>Jefferson City, MO 65101                                   | Jason Laney     | Tim Bussen      | CIPP - MO       | 3/25/12       | \$ 578,894.25    | 1700          | 1700             | 54"                                       |
| 11004    | Blue Springs, MO - 24" Storm                                        | Jeff Mock, Blue Springs, City of<br>P 816222-0185<br>F 816222-0286                                         | 903 W. Main St.<br>Blue Springs, MO 64015                                     | Danny Brown     | Tim Bussen      | CIPP - MO       | 2/15/11       | \$ 17,519.00     | 200           | 200              | 24"                                       |
| 11005    | Live Oak, FL - WRS CIPP                                             | Andy Hooper, WRS Infrastructure & Environment, Inc.<br>d/b/a WRSCompass<br>P 813684-4400<br>F 813684-8174  | 221 Hobbs Street, Suite 108<br>Tampa, FL 33619                                | Doug Hawkins    | Jimmy Witt      | CIPP - FL       | 6/3/11        | \$ 1,132,178.20  | 39187         | 39187            | 8", 10"                                   |
| 11006    | Champaign, IL - 2010 Concrete Sanitary Sewer Lining                 | W. Ronald White, P.E., Champaign, City of<br>P 217403-4710<br>F 217403-4755                                | 702 Edgebrook Dr.<br>Champaign, IL 61820                                      | Jeff Hirtz      | Tim Bussen      | CIPP - IL       | 9/8/11        | \$ 744,472.45    | 37511         | 37511            | 6", 8", 10", 12"                          |
| 11007    | Briceville, MN - Sanitary Sewer Rehabilitation                      | Kathy Ehler, Briceville, City of<br>P 507653-4387<br>F 507653-4389                                         | PO Box 338<br>Briceville, MN 56014                                            | Ricky Laws      | Tim Bussen      | CIPP - MN       | 8/31/11       | \$ 339,271.35    | 13333         | 13333            | 8", 10", 12"                              |
| 11008    | San Clemente, CA - Sewer and Storm Drain Rehabilitation             | Ken Kozak, San Clemente, City of<br>P 949361-6154                                                          | 380 Avenida Presidio<br>San Clemente, CA 92672                                | Jeff Oberholzer | Jeff Rubio      | CIPP - CA       | 7/15/11       | \$ 391,303.50    | 4288          | 4288             | 8", 18"                                   |
| 10119    | Salt River Project, Phoenix, AZ - 81st & Camelback                  | David Kiefer, J.C. Campbell, SRP<br>P 602238-4854                                                          | 1521 N. Project Dr.<br>Tempe, AZ 85281                                        | Jeff Oberholzer | Cory Street     | CIPP - AZ       | 3/15/11       | \$ 18,280.55     | 350           | 350              | 42"                                       |
| 1209     | Leucadia Wastewater District<br>Levante & Pinnas Street CIPP Lining | Leucadia Wastewater District<br>P 750753-0155<br>F 750753-3094                                             | 1980 La Costa Ave.<br>Carlsbad, CA 92009                                      | Jeff Oberholzer | Jeff Rubio      | CIPP - CA       | 5/10/11       | \$ 82,655.70     | 2500          | 2500             | 8"                                        |
| 11016    | 30" Transmission Water Main Rehabilitation<br>Amarillo, TX          | Trent Davis, City of Amarillo, TX Public Works<br>P 806378-3029<br>F 806378-9484                           | City of Amarillo Public Works<br>PO Box 1901<br>Amarillo, TX 79105-1971       | Billy Galas     | Jim Blaszczuk   | Swagelling - TX | 5/13/11       | \$ 587,120.00    | 2100          | 2100             | 30"                                       |

## SAK CONSTRUCTION PROJECTS LIST

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|----------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------|---------------------|----------------|---------------|------------------|---------------|------------------|-----------------------------|
| 11017    | College Station, TX - Texas A&M University                                                              | Nathan Jones, Texas A&M University<br>P 978/682-4606                                        | PO Box 30013<br>College Station, TX 77942-3013                    | Billy Gates       | Jim Blasczyk        | Swagaling - TX | 1/20/12       | \$ 592,281.01    | 4800          | 4800             | 20"                         |
| 11018    | Las Vegas, NV - Sewer Rehab Group D                                                                     | Kathleen Rainey, City of Las Vegas<br>P 702/228-4011                                        | City Hall, First Floor<br>400 Stewart Ave.<br>Las Vegas, NV 89101 | Jeff Oberholzer   | Cory Street         | CIPP - NV      | 10/1/11       | \$ 3,071,601.44  | 13332         | 13332            | 15", 24", 27", 36"          |
| 11032    | Wathena, KS - CIPP Sewer Lining                                                                         | John Hentz, City of Wathena, KS<br>P 785/693-4711<br>F 785/693-4830                         | 208 St. Joseph St.<br>Wathena, KS 66090                           | Danny Brown       | Tim Bussen          | CIPP - KS      | 5/8/11        | \$ 18,091.00     | 660           | 660              | 8"                          |
| 11021    | Las Vegas, NV - Las Vegas Parking - Downtown Interceptor Sewer                                          | Andy Michalsky, Las Vegas Parking Corp.<br>P 702/251-5800<br>F 702/251-1988                 | 4420 South Dacalar Blvd.<br>Las Vegas, NV 89103-5803              | Jeff Oberholzer   | Cory Street         | CIPP - NV      | 10/1/11       | \$ 4,970,021.00  | 12228         | 12228            | 45", 48", 51", 54"          |
| 11022    | Cookeville, TN - 2011 Belle Acres Drainage Area                                                         | Barry Turner, City of Cookeville TN<br>P 615/202-5258                                       | 1850 S. Jefferson Ave.<br>Cookeville, TN 38506                    | Mat Hirtz         | Tim Bussen          | CIPP - TN      | 9/24/11       | \$ 330,865.08    | 10100         | 10100            | 8"                          |
| 11023    | Bloomington, IL - 2011 Sanitary Sewer Lining Program                                                    | J.T. Menkemeyer, Village of Bloomington, IL<br>P 831/520-7000                               | 201 S. Bloomington Rd.<br>Bloomington, IL 61810-1487              | Jeff Hirtz        | Tim Bussen          | CIPP - IL      | 4/27/11       | \$ 64,188.00     | 2834          | 2834             | 8"                          |
| 11024    | Gladstone, MO - 581189, 2011 Sanitary Sewer Rehabilitation                                              | Tim Nebelgaill, City of Gladstone, MO<br>P 616/435-2228<br>F 616/435-2228                   | 7010 N Holmes<br>Gladstone, MO 64118                              | Danny Brown       | Tim Bussen          | CIPP - MO      | 10/10/11      | \$ 571,022.44    | 28543         | 28543            | 8"                          |
| 11027    | Baton Rouge, LA - Kennilworth Blvd Boone Dr Area, sub to Allen & LeBlanc, LLC                           | Paul Johnson, Allen & LeBlanc, LLC<br>225/272-1599                                          | 15323 Strain Road<br>Baton Rouge, LA 70895                        | Robert Odom       | Jimmy Wilt          | CIPP - LA      | 12/1/12       | \$ 1,294,212.95  | 61246         | 61246            | 8", 10", 12", 15"           |
| 11045    | Green River Country Club - 9TL Sub Grade to J&J Spring                                                  | Danny Hasler, PE, J&J Boring<br>P 635/566-6766<br>F 635/563-5816                            | 41 Cardinal Hill Road<br>Winfield, MO 63389                       | Mat Hirtz         | Tim Bussen          | CIPP - MO      | 3/31/11       | \$ 15,197.00     | 485           | 485              | 10"                         |
| 11028    | Greater Peoria, IL - Repair of City of Peoria Design Area 1                                             | James Slum, Greater Peoria Sanitary District<br>P 308/637-3311<br>F 308/637-3614            | 2322 South Dana St.<br>Peoria, IL 61607-2083                      | Jeff Hirtz        | Tim Bussen          | CIPP - IL      | 10/31/11      | \$ 568,846.80    | 13714         | 13714            | 8", 10", 12", 15", 18", 24" |
| 11029    | Knoxville, TN - Fourth Creek Sub Basin 37 Find and Fix Project                                          | Sharon Shewach, Knoxville Utilities Board<br>P 615/558-2461                                 | PO Box 59017<br>Knoxville, TN 37950-4017                          | Doug Hawkins      | Gordon Marshall III | CIPP - TN      | 4/4/12        | \$ 1,326,696.35  | 14179         | 14179            | 8", 30"                     |
| 11047    | San Francisco, CA - Pipanology, NTK, CA St Cable Car                                                    | sub to NTK Construction, Inc.<br>P 415/643-1900<br>F 415/643-1300                           | 501 Cesar Chavez St., Suite 123<br>San Francisco, CA 94124        | Jeff Oberholzer   | Todd Chalk          | CIPP - CA      | 8/1/11        | \$ 206,447.00    | 277           | 277              | 12", 15"                    |
| 11048    | Oakland, CA - J & M Inc., Rehab Storm Drains                                                            | J & M, Inc.<br>P 925/724-01300                                                              | 6700 National Drive<br>Livermore, CA 94550                        | Jeff Oberholzer   | Todd Chalk          | CIPP - CA      | 5/8/12        | \$ 184,713.00    | 1110          | 1110             | 12", 15", 36"               |
| 11049    | San Francisco, CA - Pipanology, A Ruiz, PUC Bush 81                                                     | AKING RUIZ, SUB TO A. RUIZ CONSTRUCTION ASSOCIATES INC.<br>P 415/647-4010<br>F 415/647-1786 | 1145 Market Street<br>San Francisco, CA 94103                     | Jeff Oberholzer   | Todd Chalk          | CIPP - CA      | 7/15/11       | \$ 361,788.89    | 477           | 477              | 15"                         |
| 11050    | Caltrans, CA - 03-JC7804 sub to Loring Brothers Construction, Inc.                                      | Carol Loring-Owens, Loring Brothers Construction, Inc.<br>P 530/248-8150<br>F 530/248-8126  | 1175 South Auburn St.<br>Colfax, CA 95713                         | Jeff Oberholzer   | Todd Chalk          | CIPP - CA      | 7/28/11       | \$ 480,181.00    | 3170          | 3170             | 18", 24"                    |
| 11051    | Cave Rock, NV - Granite Const, NDOT Contract 3433                                                       | James Grogan, Sub to Granite Construction<br>P 715/355-3424                                 | 1900 Glendale Ave.<br>Sparks, NV 89431                            | Jeff Oberholzer   | Todd Chalk          | CIPP - NV      | 10/21/11      | \$ 122,980.00    | 498           | 498              | 24"                         |
| 11053    | San Francisco, CA, Cesar Chavez San Francisco Public Utilities Commission sub to JMB Construction, Inc. | JMB Construction, Inc.<br>P 650/267-5300<br>F 650/267-5301                                  | 132 South Maple Ave.<br>South San Francisco, CA 94080             | Jeff Oberholzer   | Todd Chalk          | CIPP - CA      | 5/18/12       | \$ 2,919,770.00  | 1832          | 1832             | 72", 78", 84"               |
| 11052    | Caltrans, CA - 03-4E5304 - GBA Engineering                                                              | Sub to GBA Engineering<br>P 714/577-8641<br>F 714/577-8893                                  | 2536 E Fender Ave<br>Fullerton, CA 92631                          | Thomas Petanovich | Todd Chalk          | CIPP - CA      | 10/17/11      | \$ 46,921.00     | 160           | 160              | 24", 30"                    |

## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                                                              | Contact Name, Telephone, & Fax                                                   | Address                                                                    | Superintendent            | Project Manager | Type      | Complete Date | Completed Amount | Total Footage | Footage Complete | Diameters                                         |
|----------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------|-----------------|-----------|---------------|------------------|---------------|------------------|---------------------------------------------------|
| 11030    | St. Louis, MO - MSD Infrastructure Repair 2011                                                     | Brian Hoelscher, Metropolitan STL Sewer District<br>P 314/789-6200               | 2350 Market St.<br>St. Louis, MO 63103                                     | Jason Laney               | Tim Bussen      | CIPP - MO | 2/27/13       | \$ 3,448,887.88  | 102486        | 102486           | 5", 8", 10", 12", 15", 18",<br>21", 24", 46", 36" |
| 11031    | Littleton, CO - Grant Water & Sanitat<br>sub to Quality Pipe Services                              | Scott Boyd, Quality Pipe Services<br>P 303/982-4014                              | 700 W Mississippi Ave<br>Denver, CO 80223                                  | Ricky Laws                | Cory Street     | CIPP - CO | 4/20/11       | \$ 23,797.50     | 263           | 263              | 21"                                               |
| 11054    | Pleasant County, CA - Civil - PCWA Lake Alta Primer<br>sub to Civil Engineering Construction, Inc. | Sub to Civil Engineering Construction, Inc.<br>P 916/652-8884<br>F 916/652-8885  | 3373 Swartz Road<br>PO Box 1669<br>Loomis, CA 95650                        | Jeff Oberholzer           | Todd Chalk      | CIPP - CA | 8/25/12       | \$ 218,280.00    | 425           | 425              | 24"                                               |
| 1237     | Olathe, KS CIPP Lining Sewer                                                                       | Ric Gere, City of Olathe                                                         | Municipal Services/Utilities<br>1415 S. Robinson Drive<br>Olathe, KS 66051 | Danny Brown               | Tim Bussen      | CIPP - KS | 4/22/11       | \$ 8,912.50      | 155           | 155              | 8"                                                |
| 11034    | Manhattan, KS - 2011 CIPP Project No. SS1108                                                       | Bruce Sneed, City of Manhattan KS<br>P 785/587-2415<br>F 785/587-2416            | 1101 Poyntz Ave<br>Manhattan, KS 66502                                     | Ricky Laws                | Tim Bussen      | CIPP - KS | 8/15/11       | \$ 346,114.50    | 18898         | 18898            | 8", 10"                                           |
| 11035    | St. Louis, MO - MSD Casa & Hadley                                                                  | Steve Waluck, MSD St. Louis<br>P 314/789-6378<br>F 314/647-5487                  | 2350 Market St.<br>St. Louis, MO 63103                                     | Jason Laney               | Tim Bussen      | SPR - MO  | 5/27/11       | \$ 48,800.00     | 50            | 50               | 56"                                               |
| 1241     | Clinton, MO                                                                                        | Kelly Harrison, City of Clinton<br>P 660/885-8121<br>F 660/885-2023              | 105 E Ohio<br>Clinton, MO 64735                                            | Danny Brown               | Tim Bussen      | CIPP - MO | 5/20/11       | \$ 14,225.00     | 398           | 398              | 8", 12"                                           |
| 11037    | Humboldt, IA - W & H Cooperative - 18 inch HDPE                                                    | Ging Enrick, W & H Cooperative Oil Co.<br>P 515/532-2762                         | 407 13th Street North<br>Humboldt, IA 50548                                | Chad Rusher               | Tim Bussen      | CIPP - IA | 5/17/11       | \$ 38,803.00     | 320           | 320              | 18"                                               |
| 1244     | Pittsburg, KS - Miller's<br>Pittsburg, KS                                                          | Jim Atkins, Miller's Professional Imaging                                        | 610 E. Jefferson<br>Pittsburg, KS 66752                                    | Danny Brown               | Tim Bussen      | CIPP - KS | 5/20/11       | \$ 13,500.00     | 280           | 280              | 8"                                                |
| 11040    | Raymore, MO - CIPP Sanitary Sewer Lining                                                           | Mike Baer, Raymore MO City of<br>P 816/892-3022                                  | 100 Municipal Circle<br>Raymore, MO 64083                                  | Danny Brown               | Tim Bussen      | CIPP - MO | 5/17/11       | \$ 9,008.00      | 160           | 160              | 8"                                                |
| 11042    | Phoenix, AZ - Achen Gardner, COP SDBS Rehab<br>JOE, JOA 027                                        | Chris Diel, Achen-Gardner Engineering, LLC<br>P 480/940-1300<br>F 480/940-4578   | 550 S. 79th St<br>Chandler, AZ 85226                                       | Jeff Oberholzer           | Cory Street     | CIPP - AZ | 7/15/11       | \$ 828,677.80    | 26468         | 26468            | 8", 10", 12"                                      |
| 11043    | Cary, NC - Pamlico Drive Neighborhood Sewer<br>Rehab                                               | Lynn Briz, PE, Town of Cary NC<br>P 919/469-4090                                 | 400 Cary Jackson Ave.<br>Cary, NC 27513                                    | Doug Hawkins              | Casey Pieczonka | CIPP - NC | 9/9/11        | \$ 465,999.50    | 10194         | 10194            | 8", 12", 15"                                      |
| 11055    | Nashville, TN - Garney, 3033-600-706                                                               | Slave Ford, Garney Companies, Inc.<br>P 615/714-6254                             | 1333 NW Vivion Road<br>Kansas City, MO 64118                               | Matt Hirtz                | Tim Bussen      | CIPP - TN | 6/30/11       | \$ 57,143.75     | 2100          | 2100             | 8", 10"                                           |
| 11056    | Pine Bluff, AR - Sewer Rehabilitation 2011                                                         | Pine Bluff Wastewater Utility<br>P 870/535-6803<br>F 870/535-6243                | 1520 South Ohio Street<br>Pine Bluff, AR 71601                             | Jeff Hirtz/Chad<br>Rusher | Jimmy Witt      | CIPP - AL | 9/20/11       | \$ 439,614.00    | 10919         | 10919            | 6", 8", 10", 42"                                  |
| 11057    | Wyandotte County, KS - Wiedenmann, 14th St &<br>Metropolitan Av                                    | Glen Barge, Wiedenmann & Godfrey<br>P 913/222-1725                               | 850 N Scott Ave<br>Baltim, MO 64012                                        | Danny Brown               | Tim Bussen      | CIPP - KS | 5/17/11       | \$ 70,375.00     | 175           | 175              | 42"                                               |
| 11058    | Johnson County, KS - Authorization 18<br>Lia Quivira                                               | Johnson County Wastewater<br>P 913/715-8500<br>F 913/715-8501                    | 11811 S. Sunset Drive, #2500<br>Olathe, KS 66061                           | Danny Brown               | Tim Bussen      | CIPP - KS | 6/27/12       | \$ 184,737.10    | 8818          | 8818             | 8"                                                |
| 11059    | Henderson, KY - Downtown Sewer                                                                     | Bruce Shipley, P.E., Henderson Water Utility<br>P 270/626-2421<br>F 270/626-2428 | 111 Fifth Street<br>Henderson, KY 42420                                    | Jason Laney               | Tim Bussen      | CIPP - KY | 9/26/11       | \$ 1,715,869.50  | 14746         | 14746            | 8", 10", 12", 15", 18", 24",<br>30", 36", 48"     |
| 11060    | Nashville, TN - Garney, Broadway                                                                   | Slave Ford, Garney Companies, Inc.<br>P 615/714-6254                             | 1333 NW Vivion Road<br>Kansas City, MO 64118                               | Matt Hirtz                | Tim Bussen      | CIPP - TN | 6/30/11       | \$ 47,314.20     | 880           | 880              | 10", 12", 15", 24"                                |

## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                           | Contact Name, Telephone, & Fax                                                             | Address                                                                                            | Superintendent    | Project Manager     | Type          | Complete Date | Completed Amount | Total Footage | Footage Complete | Diameters                             |
|----------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------|---------------------|---------------|---------------|------------------|---------------|------------------|---------------------------------------|
| 11061    | Oak Park, IL - Sheridan Plumbing, Oak Park Water Main Rehab     | Joe Day, Sub to Sheridan Plumbing & Sewer, Inc.<br>P 830/285-2480<br>F 630/266-2488        | 100 Tower Drive, Suite 115<br>Burr Ridge, IL 60527                                                 | Gerard Hall       | Jim Blaszyk         | Aquapipe - IL | 2/29/12       | \$ 82,930.00     | 330           | 330              | 12"                                   |
| 11062    | South Placer MUD, CA - Pipe Liner Program 2011                  | Charles Clark, South Placer Municipal Utility District<br>P 916/786-8553<br>F 916/786-8553 | 5807 Springview Drive<br>Rocklin, CA 95677                                                         | Jeff Oberholzer   | Todd Chalk          | CIPP - CA     | 7/8/11        | \$ 113,336.00    | 4705          | 4705             | 6", 8", 10", 12"                      |
| 11063    | Placer County, CA - 2010/11 Trenchless Technology Sewer Reha    | Placer County Dept of Facility Services, Enr Eng<br>P 530/898-4800<br>F 530/898-4809       | 11475 C Avenue<br>Auburn, CA 95603                                                                 | Jeff Oberholzer   | Todd Chalk          | CIPP - CA     | 5/11/12       | \$ 164,975.02    | 5423          | 5423             | 6", 8"                                |
| 11065    | City of Montgomery, AL<br>2011 Upper Calumet Inspector          | Thomas Morgan, Water Works & Sanitary Sewer Board<br>P 334/205-1600<br>F 334/240-1615      | 22 Bibb Street, PO Box 1631<br>Montgomery, AL 36102-1631                                           | Robert Odom       | Jimmy Witt          | CIPP - AL     | 1/5/12        | \$ 3,740,000.00  | 24899         | 24899            | 30"                                   |
| 11066    | Fresno, CA - RC00087, Sewer Rehab in N Millbrook, E Ashlan      | Maryann Laws, City of Fresno, Public Works<br>P 559/821-8650                               | 2600 Fresno St., 4th Floor<br>Fresno, CA 93721                                                     | Jeff Oberholzer   | Todd Chalk          | CIPP - CA     | 12/7/11       | \$ 2,032,618.03  | 6595          | 6595             | 18", 21"                              |
| 11067    | Caltrans, CA - 12-011304, Orange County in Lahabra              | Loren Newell, State of CA Dept of Transportation<br>P 949/724-2159<br>F 949/724-2141       | District 12 - Division of Construction<br>3347 Michelson Drive, Suite 100<br>Irvine, CA 92612-8894 | Jeff Oberholzer   | Jeff Rubio          | CIPP - CA     | 4/28/12       | \$ 543,876.78    | 2239          | 2239             | 18", 24", 28", 60"                    |
| 11068    | Crescenta Valley, CA - Sewer Main Relining & MH Rehab           | David Gould, Crescenta Valley Water District<br>P 918/248-3923<br>F 918/248-1659           | 2700 Foodhill Boulevard<br>La Crescenta, CA 91214                                                  | Jeff Oberholzer   | Jeff Rubio          | CIPP - CA     | 3/1/12        | \$ 204,365.00    | 1865          | 1865             | 8", 21", 24"                          |
| 11070    | Caltrans, CA - 08-016304, McCall Ave Undercrossing              | Loren Newell, State of CA Dept of Transportation<br>P 959/444-2408<br>F 959/445-6259       | District 6<br>1352 W. Olive Avenue<br>PO Box 12816<br>Fresno, CA 93718                             | Jeff Oberholzer   | Todd Chalk          | CIPP - CA     | 9/28/11       | \$ 287,550.00    | 780           | 780              | 54"                                   |
| 11071    | Caltrans, CA - 08-043204, Martin Brothers, Lake Isabella        | Sub to Martin Brothers Construction<br>P 916/842-1220<br>F 916/811-0611                    | 20 Light Sky Ct.<br>Sacramento, CA 95828                                                           | Jeff Oberholzer   | Todd Chalk          | CIPP - CA     | 8/18/11       | \$ 164,243.02    | 850           | 850              | 24", 36", 42"                         |
| 11072    | Wyandotte County, KS - 2011 Sanitary Sewer Trenchless Repair    | William Heathman, Unified Government of Wyandotte<br>P 913/573-5700<br>F 913/573-5727      | One McDowell Plaza<br>701 N. 7th St.<br>Kansas City, KS 66101                                      | Danny Brown       | Dan Swidrak         | CIPP - KS     | 1/7/13        | \$ 565,787.75    | 12671         | 12671            | 8", 10", 12", 15", 18", 24", 27", 36" |
| 11073    | Roseville, CA - 2011 Wastewater CIPP Pipe Rehabilitation        | Ray Kamridge, City of Roseville, Ca<br>P 916/774-5293<br>F 916/774-6775                    | 311 Vernon Street<br>Roseville, CA 95678                                                           | Jamann Frazer     | Todd Chalk          | CIPP - CA     | 6/15/12       | \$ 889,688.00    | 28926         | 28926            | 6", 8", 10", 15"                      |
| 11074    | Kansas City, MO - Sub to Redford Construction, 72nd & Wadsworth | Mike Bader, Redford Construction, Inc.<br>P 816/331-4656                                   | 17233 Bellary Plaza<br>Belton, MO 64003                                                            | Danny Brown       | Tim Busean          | CIPP - MO     | 7/1/11        | \$ 34,320.30     | 413           | 413              | 24"                                   |
| 11075    | Caltrans, CA - 10A1318, State Route 88                          | Loren Newell, State of CA Dept of Transportation<br>P 209/848-7443                         | District 10<br>1878 East Charter Way (East Dr. Martin Luther King Jr. Blvd)<br>Stockton, CA 95205  | Thomas Petanovich | Todd Chalk          | CIPP - CA     | 10/28/11      | \$ 122,682.31    | 287           | 287              | 18", 24", 30", 36", 48"               |
| 11076    | Union Sanitary District, CA - Boyce Rd Lift Station, 800-311    | Raymond Chau, Union Sanitary District<br>P 510/477-7608<br>F 510/477-7308                  | 9072 Benson Road<br>Union City, CA 94587                                                           | Thomas Petanovich | Todd Chalk          | CIPP - CA     | 6/20/11       | \$ 34,000.00     | 50            | 50               | 24"                                   |
| 11077    | Phoenix, AZ - Achen-Gardner, JOA-628, AOE 2401231               | Chris Dietl, Achen-Gardner Engineering, LLC<br>P 480/940-1300<br>F 480/940-4578            | 550 S. 70th St.<br>Chandler, AZ 85226                                                              | Jeff Oberholzer   | Cory Street         | CIPP - AZ     | 11/14/11      | \$ 138,610.00    | 1431          | 1431             | 22"                                   |
| 11078.01 | Seacoast, FL - 2011 Contract - Lining                           | Keith Hays, Seacoast Utility Authority<br>P 561/620-1500<br>F 561/624-2639                 | 4200 Hood Road<br>Palm Beach Gardens, FL 33410                                                     | Doug Hawkins      | Gordon Marshall III | CIPP - FL     | 12/22/11      | \$ 338,276.90    | 11686         | 11686            | 8", 10", 12"                          |
| 11079    | El Paso, TX - RMCI - Chihuahuita Storm Sewer Pump Station       | Gregory Menke, sub to RMCI, Inc.<br>P 505/245-0008<br>F 505/245-0111                       | PO Box 11447<br>Albuquerque, NM 87189                                                              | Billy Gales       | Cory Street         | CIPP - TX     | 4/18/12       | \$ 128,500.00    | 300           | 300              | 30", 41"                              |
| 11080    | San Jose, CA - Rodan - 11-389 Monterey Hwy Sanitary Sewer       | Dan Oliver, Sub to Rodan Builders, Inc.<br>P 650/508-1700<br>F 650/508-1705                | 859 Cowen Road<br>Burlingame, CA 94010                                                             | Jamann Frazer     | Todd Chalk          | CIPP - CA     | 7/28/11       | \$ 75,190.00     | 930           | 930              | 18"                                   |



## SAK CONSTRUCTION PROJECTS LIST

| VP Job #             | Owner                                                              | Contact Name, Telephone, & Fax                                                                   | Address                                            | Superintendent         | Project Manager | Type              | Complete Date | Completed Amount | Total Footage | Footage Complete | Diameters                                                           |
|----------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------|-----------------|-------------------|---------------|------------------|---------------|------------------|---------------------------------------------------------------------|
| 11081                | Pinhurst, NC - Atlantic Coast - Old Town & Lake Pinhurst           | John Butler, Sub to Atlantic Coast Contractors<br>P 704/483-7120<br>F 704/483-7310               | PO Box 413<br>Denver, CO 28037                     | Wendell Hunt           | Jimmy Witt      | CIPP - NC         | 9/18/12       | \$ 1,784,111.84  | 54622         | 54622            | 8", 10", 12"                                                        |
| 11082                | Alameda County, CA - Modesto - ALCPWA Spec 2164 Culvert Rehab      | Santiago Tobar, Sub to Modesto Construction<br>P 510/534-3152                                    | 3073 22nd Avenue<br>Oakland, CA 94602              | Jamann Frazer          | Todd Chalk      | CIPP - CA         | 8/23/11       | \$ 57,100.00     | 100           | 100              | 48"                                                                 |
| 11084                | Evanville, IN - Mohr & Kratzville Roads Water Main Replacement     | Jamell Charlton, Evanville Water & Sewer Utility<br>P 812/421-2130<br>F 812/421-2134             | 1931 Allana Ln.<br>Evanville, IN 47720             | Joe Cortis             | Joe Cortis      | Pipebursting - IN | 11/23/11      | \$ 1,184,337.19  | 10640         | 10640            | 8", 12"                                                             |
| 11085                | Devils Lake, ND - Water Main Replacement District 18-10            | Heien Carlson, City of Devils Lake<br>P 701/687-7800                                             | 423 6th St NE PO Box 1048<br>Devils Lake, ND 58301 | Joe Cortis             | Joe Cortis      | Pipebursting - ND | 10/14/11      | \$ 1,388,889.83  | 7488          | 7488             | 6", 8"                                                              |
| 11087                | Cherokee Metro, CO - 6 inch Forcemain                              | Mark Cuchlars, Cherokee Metropolitan District<br>P 719/597-5080<br>F 719/597-5145                | 6250 Palmer Park Rd.<br>Colorado Springs, CO 80915 | Ricky Laws             | Cory Street     | CIPP - CO         | 10/10/11      | \$ 42,900.00     | 1400          | 1400             | 6"                                                                  |
| 11088                | Raymore, MO - CIPP Sanitary Sewer Lining - Sheldahl                | Juan Alonzo, Raymore MO, City of<br>P 816/331-0488<br>F 816/331-8724                             | 100 Municipal Circle<br>Raymore, MO 64083          | Danny Brown            | Tim Bussen      | CIPP - MO         | 8/1/11        | \$ 18,440.00     | 450           | 450              | 8"                                                                  |
| 11089                | JCWW, KS - Tomahawk 54 inch Slipping and 80" CIPP                  | John O'Neil, Johnson County Wastewater<br>P 817/715-8500<br>F 817/715-8501                       | 11811 S. Sunset Drive #2500<br>Olathe, KS 66061    | Danny Brown            | Tim Bussen      | CIPP - IA         | 7/28/11       | \$ 293,604.89    | 45            | 45               | 54", 66"                                                            |
| 11091                | Montgomery, AL - Emergency Services                                | Water Works & Sanitary Sewer Board of the City of Montgomery<br>P 334/206-1600<br>F 334/240-1699 | 22 Bibb Street<br>Montgomery, AL 36102             | Robert Odum            | Jimmy Witt      | CIPP - AL         | 7/28/11       | \$ 17,100.00     | 300           | 300              | 10"                                                                 |
| 11092                | West Valley City, UT - Granger Hunter - 111 Sewer Rehab Proj       | Bradley Panman, P.E. - Granger-Hunter Improvement District<br>P 801/960-3551<br>F 801/960-5487   | PO Box 701110<br>West Valley City, UT 84170-1111   | Brad Schenning         | Cory Street     | CIPP - UT         | 1/8/12        | \$ 707,867.25    | 7305          | 7305             | 8", 15", 30"                                                        |
| 11093                | Caltrans, CA - 07-472304, Paterson Chase                           | UBK Vogels, Sub to Paterson Chase Caltrans<br>Engineering<br>P 949/252-0966<br>F 949/252-0966    | 1782 Kaiser Avenue<br>Irvine, CA 92614             | Jeff Oberholer         | Jeff Rubio      | CIPP - CA         | 2/4/12        | \$ 28,120.00     | 68            | 68               | 24"                                                                 |
| 11094                | Omaha, NE - Structurally Line C.I. Water Mains in Westgate         | Shaplana Hann, Metro Utilities District of Omaha<br>P 402/504-7802                               | 1723 Harney St<br>Omaha, NE 68102                  | Billy Gates            | Jin Blaszyk     | Aquapipe - NE     | 10/27/11      | \$ 723,379.47    | 5250          | 5250             | 8", 6"                                                              |
| 11097                | Memphis, TN - Masson WWTP 90 inch Rehab (8W02033)                  | Scott Morgan, PE: City of Memphis<br>P 901/576-6720<br>F 901/576-7118                            | 125 North Main St<br>Memphis, TN 38103-2091        | Jason Laney/Jeff Hirtz | Tom Qualls      | CIPP - TN         | 2/15/12       | \$ 1,232,878.00  | 630           | 630              | 48", 60"                                                            |
| 11098                | Nogales, AZ - Standard Const-SS Rehab Int St Dumber Dr             | Slave Blake, Standard Construction Company, Inc.<br>P 623/983-4500<br>F 623/983-7750             | 810 E. Western Ave.<br>Avondale, AZ 85323          | Jeff Oberholer         | Cory Street     | CIPP - AZ         | 8/31/11       | \$ 38,480.00     | 780           | 780              | 6", 8"                                                              |
| 11100                | San Jose, CA - Pacific Underground, Ashburton SS Rehab             | Thad Corbett, Sub to Pacific Underground Construction<br>P 408/677-1655<br>F 408/677-1659        | 1817 Stone Ave.<br>San Jose, CA 95125              | Jamann Frazer          | Todd Chalk      | CIPP - CA         | 8/31/11       | \$ 54,184.00     | 1020          | 1020             | 8"                                                                  |
| 11101                | St. Louis, MO - Mackenzie Place CIPP Sub to Bommarito Construction | Tony Murawski, Bommarito Construction<br>P 314/553-0104                                          | 6785 Langley Road<br>St. Louis, MO 63123           | Jason Laney            | Tim Bussen      | CIPP - MO         | 9/1/11        | \$ 12,280.00     | 78            | 78               | 6"                                                                  |
| 11102                | Rainbow Municipal Water District, CA - 8" Water Main               | Brian Lee, Rainbow Municipal Water District<br>P 760/728-1178                                    | 3707 Old Highway 385<br>Fallbrook, CA 92028        | Jeff Oberholer         | Jin Blaszyk     | Aquapipe - CA     | 8/5/11        | \$ 98,700.00     | 155           | 155              | 6"                                                                  |
| 10800 06             | Tampa, FL - Gomez Ave Sewer Rehab                                  | Jeffrey Taylor, City of Tampa<br>P 813/305-3811                                                  | 3808 East 26th Avenue, 280D4<br>Tampa, FL 33605    | Doug Hawkins           | Casey Placzonka | CIPP - FL         | 2/18/11       | \$ 36,681.00     | 861           | 861              | 15"                                                                 |
| 10801 01<br>10801 02 | St. Louis, MO - MSD IR FY 2010 Phase A City                        | Ron Moore, MSD St. Louis<br>P 314/784-6388<br>F 314/647-5487                                     | 2350 Market St.<br>St. Louis, MO 63103             | Jason Laney            | Tim Bussen      | CIPP - MO         | 10/26/12      | \$ 4,881,911.00  | 141385        | 141385           | 8", 8", 10", 12", 15", 18",<br>21", 24", 27", 30", 36",<br>42", 48" |

## SAK CONSTRUCTION PROJECTS LIST

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|----------|--------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------|---------------------|-------------------|---------------|------------------|---------------|------------------|------------------------------------------------------------|
| 10802.01 | St. Louis, MO - MSD IR FY 2010 City                          | Ron Moore, MSD St. Louis<br>P 314/784-4388<br>F 314/647-5487                          | 2350 Market St.<br>St. Louis, MO 63103                          | Jason Laney       | Tim Bussen          | CIPP - MO         | 10/30/12      | \$ 5,311,613.00  | 128851        | 128851           | 8", 10", 12", 15", 18",<br>24", 27", 30", 33", 36",<br>42" |
| 10802.02 | Tamane, FL - PO 140788, Sanitary Sewer Mains                 | Michael Carmech, City of Tamane<br>P 854/597-3510<br>F 854/597-3520                   | 7525 NW 88th Avenue,<br>Tamarac, FL 33321                       | Doug Hawkins      | Lozan Goats         | CIPP - FL         | 12/22/11      | \$ 691,285.00    | 9487          | 9487             | 8", 10"                                                    |
| 10803.03 | Garland, TX - Pipebursting, Walnut St Water Main             | Sharon Towle, City of Garland<br>P 972/205-3415                                       | 200 N. 5th Street, Rm 203<br>Garland, TX 75040                  | Billy Gales       | Joe Corbais         | Pipebursting - TX | 12/24/11      | \$ 1,051,575.40  | 8436          | 8436             | 8" Pipebursting                                            |
| 10803.05 | College Station, TX - TX A&M University, Hwy 21 & Hwy 47     | Clyde Ober, Texas A&M University<br>P 818/645-4570<br>F 818/645-3800                  | PO Box 30013<br>College Station, TX 77842-3013                  | Billy Gales       | Jim Blasczyk        | Swagaling - TX    | 7/1/12        | \$ 54,877.63     | 3080          | 3080             | 18"                                                        |
| 10804.01 | Grain Valley, MO - CIPP Sanitary Sewer Lining PW203          | City of Grain Valley<br>P 816/647-0081<br>F 816/647-0254                              | Public Works Dept.<br>711 Main Street<br>Grain Valley, MO 64029 | Danny Brown       | Dan Swidrak         | CIPP - MO         | 12/18/12      | \$ 157,120.00    | 5840          | 5840             | 8", 12"                                                    |
| 10804.02 | St. Joseph, MO - 2012 Master Agreement                       | Gary Lehn, City of St. Joseph<br>P 816/971-4826                                       | 1100 Frederick Ave.<br>St. Joseph, MO 64501                     | Danny Brown       | Dan Swidrak         | CIPP - MO         | 11/7/12       | \$ 85,214.85     | 1880          | 1880             | 8", 15", 18", 21"                                          |
| 10804.04 | St. Joseph, MO - Work Order 2013-02                          | Gary Lehn, City of St. Joseph<br>P 816/971-4826                                       | 1100 Frederick Ave.<br>St. Joseph, MO 64501                     | Danny Brown       | Dan Swidrak         | CIPP - MO         | 3/13/13       | \$ 187,261.60    | 2888          | 2888             | 8", 10", 12", 15", 18", 21",<br>24", 30"                   |
| 10805.01 | Lakeland, FL - Release 01 Lining                             | Mike Reiford, City of Lakeland<br>P 863/834-8760<br>F 863/834-6777                    | 228 S. Massachusetts Ave.<br>Lakeland, FL 33801                 | Doug Hawkins      | Jimmy Witz          | CIPP - FL         | 7/25/11       | \$ 167,609.00    | 5366          | 5366             | 8", 12"                                                    |
| 11104    | Knoxville, TN - Morgan Contracting, 4th Creek Northshore Dr. | Vince Bayless, Sub to Morgan Contracting, Inc.<br>P 850/537-5000<br>F 850/537-4890    | 8575 Highway 189 North<br>Baker, FL 32531                       | Doug Hawkins      | Gordon Marshall III | CIPP - TN         | 8/15/11       | \$ 22,288.00     | 80            | 80               | 27"                                                        |
| 11105    | Peoria, AZ - Quest Civil Constructors, Trunk Sewer Rehab     | Shane Colman, Quest Civil Constructors<br>P 823/681-4700                              | 1803 W Parkside Lane #100<br>Phoenix, AZ 85027                  | Jeff Oberholzer   | Cory Street         | CIPP - AZ         | 8/7/11        | \$ 25,000.00     | 72            | 72               | 30"                                                        |
| 11106    | St. Louis, MO - Henkel Corp, Dial, 38" Sewer Lining          | Larry Pelcano, Henkel Corporation<br>P 314/878-3185                                   | One Henkel Way<br>Rocky Hill, CT 06067                          | Jason Laney       | Tim Bussen          | CIPP - MO         | 9/25/11       | \$ 183,434.50    | 850           | 850              | 36"                                                        |
| 11107    | Henderson, KY - Sewer Lining with CIPP 2011                  | Tom Williams, P.E., Henderson Water Utility<br>P 270/225-2824                         | 111 Fifth Street<br>Henderson, KY 42420                         | Jason Laney       | Tim Bussen          | CIPP - KY         | 12/20/11      | \$ 37,568.00     | 515           | 515              | 8", 10"                                                    |
| 11108    | Lenexa, KS - 2011 Pipe Replacement                           | Mike Melin, Sub to Freeman Concrete Construction<br>P 913/335-0744                    | 8337 Monticello Road<br>Shawnee, KS 66227                       | Danny Brown       | Tim Bussen          | CIPP - KS         | 11/21/11      | \$ 31,293.50     | 189           | 189              | 24"                                                        |
| 11109    | Lake Arrowhead, CA - Dam to Tunnel Phase 1 Slip Lining & MH  | Aida Hercules-Dominguez, P.E., Arrowhead, CA<br>P 909/335-7155<br>F 909/335-5875      | PO Box 700<br>Lake Arrowhead, CA 92352                          | Jeff Oberholzer   | Jeff Rubio          | CIPP - CA         | 6/30/12       | \$ 1,168,756.90  | 5050          | 5050             | 8", 12", 15", 18"                                          |
| 11110    | Central Contra Costa Sanitary Dist. CA - Mountain Cascade    | Roger Williamson, Sub to Mountain Cascade<br>925/373-8370                             | PO Box 5050<br>Livermore, CA 94551                              | Thomas Petanovich | Todd Chalk          | CIPP - CA         | 9/21/11       | \$ 22,152.00     | 450           | 450              | 12"                                                        |
| 11111    | Montgomery, AL - Warner Brothers, Brubaker Elementary School | Ed Warner, Sub to Warner Brothers Construction, Inc.<br>P 334/549-1883                | 500 Cantoria Road<br>Montgomery, AL 36108                       | Robert Odum       | Jimmy Witz          | CIPP - AL         | 10/20/11      | \$ 45,000.00     | 280           | 280              | 30"                                                        |
| 11112    | Salinas, CA - Salinas District, CA - Sewer CIPP, Condit Lane | Joanne Turquist, Salinas District<br>P 831/722-7760                                   | 739 East Lake Avenue, Suite 2<br>Waterville, CA 95076           | Thomas Petanovich | Todd Chalk          | CIPP - CA         | 11/16/11      | \$ 93,000.00     | 370           | 370              | 21"                                                        |
| 11113    | Effingham, IL - Brick Sewer Rehab Mulberry St                | Michelle Wilkins, City of Effingham - Engineering<br>P 217/842-5303<br>F 217/842-2746 | 201 East Jefferson<br>Effingham, IL 62401                       | Jason Laney       | Tim Bussen          | CIPP - IL         | 3/23/12       | \$ 1,266,577.85  | 3354          | 3354             | 36", 48"                                                   |
| 11113.01 | Effingham, IL - SPR, Brick Sewer Rehab Mulberry St           | Michelle Wilkins, City of Effingham - Engineering<br>P 217/842-5303<br>F 217/842-2746 | 201 East Jefferson<br>Effingham, IL 62401                       | Jason Laney       | Tim Bussen          | SPR - IL          | 1/13/12       | \$ 1,266,577.85  | 392           | 392              | 48"                                                        |
| 11114    | Champaign, IL - Nail Street - Sarus Oil, LLC                 | Dr. Sohail Chaudry, Sub to Sarus Oil, LLC<br>P 217/882-7913                           | 4411 Troschire Circle<br>Champaign, IL 61822                    | Danny Brown       | Tim Bussen          | CIPP - IL         | 9/13/11       | \$ 25,294.00     | 350           | 350              | 15"                                                        |

## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                         | Contact Name, Telephone, & Fax                                                        | Address                                                                            | Superintendent    | Project Manager     | Type      | Complete Date | Completed Amount | Total Footage | Feet/Job Complete | Diameters                   |
|----------|---------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------|---------------------|-----------|---------------|------------------|---------------|-------------------|-----------------------------|
| 11115    | Owensville, MO - Mid State Pipeline Maint. Waste Water Collec | Tony Miller, Sub to Mid-State Pipeline Maintenance, LLC<br>P 573655-3681              | PO Box 843<br>Belle, MO 65013                                                      | Jeff Hirtz        | Tim Bussen          | CIPP - MO | 11/15/11      | \$ 41,235.00     | 1143          | 1143              | 6", 8"                      |
| 11116    | Johnson County, KS - New Authorization 09-01-11               | John O'Neil, Johnson County Wastewater<br>P 913701-5460<br>F 813701-5460              | 1181 S. Sunset Drive, Suite 2500<br>Olathe, KS 66061                               | Danny Brown       | Tom Qualls          | CIPP - KS | 6/28/12       | \$ 487,505.88    | 21711         | 21711             | 8", 10", 15", 18", 21"      |
| 11117    | Johnson County, KS - Wiedemann-CMSD No. 13                    | Don Godfrey, Sub to Wiedemann & Godfrey<br>P 816222-1125                              | 850 North South<br>Bloom, MO 64021                                                 | Danny Brown       | Tim Bussen          | CIPP - KS | 8/28/12       | \$ 634,140.45    | 29589         | 29589             | 8", 12"                     |
| 11118    | Stockton, CA - K J Woods, 2010 SS Rehab #W06023               | Chris Reilly, Sub to K.J. Woods Construction<br>P 415759-0506                         | 1485 Bayshore Blvd. #149<br>San Francisco, CA 94124                                | Thomas Pelanovich | Todd Chalk          | CIPP - CA | 10/20/11      | \$ 60,756.00     | 1468          | 1468              | 8", 10"                     |
| 11119    | Aurora, CO - 5270A, Toiletgate Interceptor Rehab              | R.B. Simmons, City of Aurora, CO<br>P 303739-7100                                     | 15151 E. Alameda Hwy<br>Aurora, CO 80012                                           | Ricky Laws        | Cory Street         | CIPP - CO | 3/21/12       | \$ 2,247,834.37  | 18442         | 18442             | 30", 33"                    |
| 11121    | Carmillion, IL - Wastewater Collection System Improvements    | Timothy Brannan, City of Carmillion, IL<br>P 217642-5517                              | 621 West South Main St.<br>Carmillion, IL 62016                                    | John Price        | Dan Swidrak         | CIPP - IL | 5/10/13       | \$ 2,044,586.82  | 31247         | 31247             | 8", 10"                     |
| 11122    | South San Francisco, CA - Paradise Valley Storm Drain Repair  | Dennis Chuck, P.E. City of South San Francisco<br>P 655146-5622<br>F 650829-8686      | 315 Maple Ave.<br>South San Francisco, CA 94080                                    | Thomas Pelanovich | Todd Chalk          | CIPP - CA | 11/17/11      | \$ 164,780.00    | 540           | 540               | 30"                         |
| 11124    | Sioux Falls, SD - Western Interceptor Relief Trunk Sewer      | Barbara Buckner, City of Sioux Falls<br>P 605357-8600<br>F 605357-4005                | PO Box 7402<br>Sioux Falls, SD 57117                                               | Jason Laney       | Tom Qualls          | CIPP - SD | 7/25/12       | \$ 1,993,340.37  | 6661          | 6661              | 30", 36"                    |
| 11125    | Naperville, IL - 8" Sanitary Sewer CIPP Contract 12-076       | Douglas Krueger, City of Naperville<br>P 630420-6111                                  | 400 South Eagle Street<br>PO Box 100<br>Naperville, IL 60566                       | John Price        | Dan Swidrak         | CIPP - IL | 4/30/12       | \$ 339,337.05    | 11520         | 11513             | 8"                          |
| 11126    | Thousand Oaks, CA - Interceptor CIP Phase IV                  | Roner V. del Castillo, City of Thousand Oaks<br>P 805448-2396                         | Public Works Department<br>2100 Thousand Oaks Boulevard<br>Thousand Oaks, CA 91322 | Jeff Oberholzer   | Jeff Rubio          | CIPP - CA | 3/6/13        | \$ 1,896,484.77  | 12367         | 12367             | 8", 12", 16", 20", 21", 24" |
| 11127    | Caltrans 05-A-1449 - Conley General Engineering               | Caltrans 05-A-1449 - Conley General Engineering,<br>P 631426-6111<br>F 831426-5027    | 1017 Smith Grade<br>Santa Cruz, CA 95060                                           | Glenn Spears      | Todd Chalk          | CIPP - CA | 11/09/11      | \$ 34,255.00     | 85            | 85                | 36"                         |
| 11128    | Santa Rosa, CA - Sewer Main Lining, Contract C01585           | Andrew Allen, City of Santa Rosa<br>P 707043-3800                                     | Public Works Department<br>69 Stony Circle<br>Santa Rosa, CA 95401                 | Thomas Pelanovich | Todd Chalk          | CIPP - CA | 11/28/11      | \$ 157,245.66    | 1960          | 1960              | 8", 10", 16"                |
| 11130    | Jackson, MO - 2011 Sanitary Sewer Lining                      | Kent Preitz, City of Jackson, MO<br>P 573243-3588<br>F 573243-4688                    | 101 Court Street<br>Jackson, MO 63755                                              | Jeff Hirtz        | Tim Bussen          | CIPP - MO | 11/20/11      | \$ 27,076.00     | 704           | 704               | 8"                          |
| 11131    | AZ DOT, Casa Grande - Pulice Constr., Tucson Hwy I-10         | Roger Eschen, Sub to Pulice Construction, Inc.<br>P 602844-2241<br>F 602870-3385      | 2033 W. Mountain View Road<br>Phoenix, AZ 85021                                    | Brad Schenning    | Cory Street         | CIPP - AZ | 6/13/12       | \$ 328,077.80    | 613           | 613               | 72", 78"                    |
| 11132    | Butte, MT - Selsell, Heitkamp, 2011 Buffalo Gulch Trl Rehab   | John Hovdey, Sub to Heitkamp, Inc.<br>P 860274-5468<br>F 860274-5619                  | 88 Callender Rd.<br>Watertown, CT 06795                                            | Jeff Oberholzer   | Donald Eva          | SPR-MT    | 2/2/12        | \$ 55,740.54     | 885           | 885               | 36"                         |
| 11133    | Palmetto, FL - Gator Grading, Palmetto Ward I Ph 2A & 2B      | William Hicks, Sub to Gator Grading & Paving, LLC<br>P 9417751-3900<br>F 9417751-3949 | 2704 106th St E (Roman Rd)<br>Palmetto, FL 34221                                   | Doug Hawkins      | Gordon Marshall III | CIPP - FL | 12/13/12      | \$ 116,976.00    | 2886          | 2886              | 8"                          |
| 11135    | Henderson, NV - Las Vegas Paving, 2011-78-0000 Pittman Wash   | Andy Mhalasky, Sub to Las Vegas Paving Corp.<br>P 702251-5800<br>F 702251-4891        | 4420 S. Decatur Blvd.<br>Las Vegas, NV 89103                                       | Thomas Pelanovich | Cory Street         | CIPP - NV | 12/17/11      | \$ 219,785.00    | 1911          | 1911              | 21"                         |
| 11136    | O'Fallon, MO - East Outfall Sewer Line Rehabilitation         | Dan Scherer, City of O'Fallon<br>P 635281-2658                                        | Water and Sewer Department<br>100 North Main Street<br>O'Fallon, MO 63366          | Jason Laney       | Tim Bussen          | CIPP - MO | 4/30/12       | \$ 1,758,230.90  | 10592         | 10592             | 18", 24", 42", 48"          |
| 11137.01 | Seacoast Utility, FL - 2011 Release 4 - Lining                | Keith Haas, Seacoast Utility Authority<br>P 561627-2900<br>F 561624-2839              | 4200 Hood Road<br>Palm Beach Gardens, FL 33410                                     | Doug Hawkins      | Gordon Marshall III | CIPP - FL | 3/6/12        | \$ 282,268.35    | 9099          | 9099              | 8", 10", 12"                |

## SAN CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                         | Contact Name, Telephone, & Fax                                                       | Address                                                                      | Superintendent    | Project Manager | Type          | Complete Date | Completed Amount | Total Footage | Footage Complete | Diameter                                    |
|----------|---------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------|-----------------|---------------|---------------|------------------|---------------|------------------|---------------------------------------------|
| 11138    | Daly City, CA - Emergency Repair at Reservoir 3               | Patricia Maria, City of Daly City<br>P 650091-8200                                   | Water/Wastewater Department<br>153 Lata Merced Blvd<br>Daly City, CA 94015   | Gerald Hall       | Jim Blaszyk     | Aquapipe - CA | 10/31/11      | \$ 114,000.00    | 170           | 170              | 8"                                          |
| 11139    | Las Vegas, NV - LV Parking - Project 11800 Jones & Valley Vle | Andy Mihalshy, Sub to Las Vegas Paving Corp.<br>P 702251-5800<br>F 702251-4891       | 4420 S. Decatur Blvd.<br>Las Vegas, NV 89103                                 | Brad Schenning    | Cory Street     | CIPP - NV     | 11/17/11      | \$ 73,248.00     | 1744          | 1744             | 12"                                         |
| 11142    | Camp Pendleton, CA - W A Rasic, Hospital Replacement          | Wes Brindley, Company, Inc.<br>Sub to W. A. Rasic<br>P 650228-6111                   | 7314 Scout Avenue<br>Ball Gardens, CA 90201                                  | Glenn Spears      | Jeff Rubio      | CIPP - CA     | 6/28/12       | \$ 200,918.48    | 2101          | 2101             | 18"                                         |
| 11143    | Hilmar County Water District, CA - Clint Dr Storm Drain       | Garth Puchterman, Hilmar County Water District<br>P 208632-3522<br>F 208632-3701     | PO Box 1060<br>Hilmar, CA 95324                                              | Glenn Spears      | Todd Chalk      | CIPP - CA     | 10/31/11      | \$ 78,850.00     | 170           | 170              | 36"                                         |
| 11144    | Maryville, MO - Sewer Main Lining                             | Rennie Moss, City of Maryville, MO<br>P 650282-8003<br>F 660 922-3805                | 415 N. Market St<br>PO Box 438<br>Maryville, MO 64468                        | Danny Brown       | Tom Qualls      | CIPP - MO     | 9/18/12       | \$ 243,576.25    | 8148          | 8148             | 6", 8", 10"                                 |
| 11145    | Odessa, TX - 33" Central Interceptor Sewer Rehab              | Amy Shalysner, City of Odessa<br>P 432335-3242                                       | 411 W. 8th<br>Odessa, TX 79761                                               | Billy Gulas       | Jimmy Witt      | CIPP - TX     | 7/14/12       | \$ 2,481,521.12  | 15519         | 15519            | 33"                                         |
| 11146    | Colorado Springs, CO - Myron Stratton House                   | Mark Turk, The Myron Stratton Home<br>P 716979-0930<br>F 716979-0447                 | 2525 South State Hwy 115<br>Colorado Springs, CO 80906                       | Ricky Laws        | Cory Street     | CIPP - CO     | 2/24/12       | \$ 100,781.52    | 209           | 209              | 12"                                         |
| 11147    | Mesa, AZ - B & F Contracting, Brown Rd & Val Vista            | John Norton, B & F Contracting, Inc.<br>P 623692-1170<br>F 623692-3761               | 11011 N. 23rd Ave<br>Phoenix, AZ 85029                                       | Brad Schenning    | Cory Street     | CIPP - AZ     | 11/12/11      | \$ 44,300.00     | 330           | 330              | 18"                                         |
| 11148    | Gerald, MO - Sanitary Sewer Improvements                      | Joann Parnell, City of Gerald<br>P 573764-3340<br>F 573764-2887                      | 108 E. Fitzgerald<br>PO Box 59<br>Gerald, MO 63037                           | Jeff Hitz         | Dan Swadink     | CIPP - MO     | 5/9/12        | \$ 167,327.27    | 8281          | 8281             | 8"                                          |
| 11149    | Laneza, KS - VF Anderson, Lackman Tributary Stormwater        | Vince Freemyer, Sub to VF Anderson Builders, LLC<br>P 816035-8652                    | 15707 East 215th Street<br>Peculiar, MO 64078                                | Danny Brown       | Tom Qualls      | CIPP - KS     | 5/10/12       | \$ 258,323.35    | 3349          | 3349             | 15", 18", 21", 24", 42"                     |
| 11151    | Pueblo, CO - Pale Construction, Pueblo Chemical Agent         | Brian Ball, Sub to Pale Construction Company, Inc.<br>P 719647-0463<br>F 719644-0205 | 87 North Mission Drive<br>Pueblo West, CO 81007                              | Ricky Laws        | Jim Blaszyk     | Aquapipe - CO | 11/11/11      | \$ 141,500.00    | 400           | 400              | 8"                                          |
| 11154    | St. Louis, MO - MSD Nector II Reduction BP-290                | Ron Moore, MSD St. Louis<br>P 314768-4388<br>F 314647-5487                           | 2350 Market St<br>St. Louis, MO 63103                                        | Matt Hitz         | Tim Bussen      | CIPP - MO     | 6/20/12       | \$ 329,425.60    | 3136          | 3136             | 12", 15", 18", 21", 24", 27", 30", 36", 42" |
| 11155    | Emmence, MO - Karsten Equipment, 6" CIPP Lining               | Ken Karsten, Karsten Equipment Co.<br>P 31428-2221<br>F 314428-2253                  | 3955 Industrial Drive<br>St. Ann, MO 63074                                   | John Price        | Tim Bussen      | CIPP - MO     | 1/10/12       | \$ 28,615.00     | 589           | 589              | 6"                                          |
| 11156.01 | Caltrans, CA - 06-05A04, Granite Construction                 | David Boro, Sub to Granite Construction Company<br>P 558441-5744                     | 2716 Granita Court<br>Fresno, CA 93706                                       | Thomas Petanovich | Todd Chalk      | CIPP - CA     | 1/18/12       | \$ 169,472.00    | 340           | 340              | 45"                                         |
| 11157    | East Palo Alto, CA - CIPP-Siphon to Treatment Plant           | Richard Laurita, East Palo Alto Sanitary District<br>P 650225-9021<br>F 650225-5173  | 901 Wicks Street<br>PO Box 51888<br>East Palo Alto, CA 94303                 | Thomas Petanovich | Todd Chalk      | CIPP - CA     | 3/9/12        | \$ 1,312,070.00  | 5113          | 5113             | 4", 24"                                     |
| 11158    | San Juan Capistrano, CA - Emergency 21" CIPP                  | West Curry, San Juan Capistrano, City of<br>P 948493-1171<br>F 948493-1053           | 32400 Paseo Adelanto<br>San Juan Capistrano, CA 92675                        | Glenn Spears      | Jeff Rubio      | CIPP - CA     | 11/17/11      | \$ 48,700.00     | 380           | 380              | 21"                                         |
| 11159    | Jefferson City, MO - 2011 Sewer Main Rehab, 831108            | Eric Seaman, City of Jefferson City<br>P 573634-6410<br>F 573634-6562                | Department of Public Works<br>320 E. McCarty St.<br>Jefferson City, MO 65101 | Jason Laney       | Tim Bussen      | CIPP - MO     | 7/26/12       | \$ 1,637,732.45  | 28028         | 28028            | 6", 8", 12", 15", 18", 30", 36", 42", 48"   |
| 11160    | Sparks, NV - Paving Constr. Plymouth & Zephyr Way Sewer       | Michael Borden, Sub to Paving Construction, Inc.<br>P 775558-2288<br>F 775558-2885   | PO Box 2244<br>2332 Larkin Circle<br>Sparks, NV 89432                        | Glenn Spears      | Todd Chalk      | CIPP - NV     | 1/18/12       | \$ 87,336.00     | 1272          | 1272             | 8"                                          |

## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                       | Contact Name, Telephone, & Fax                                                     | Address                                                                                       | Superintendent   | Project Manager     | Type      | Complete Date | Completed Amount | Total Footage | Footage Complete | Diameters                       |
|----------|-------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------|---------------------|-----------|---------------|------------------|---------------|------------------|---------------------------------|
| 11161    | Las Gallinas Valley, CA - Precision Engineering, 10200-01   | Flibar Brody, Sub to Precision Engineering, Inc.<br>P 415621-4882<br>F 415621-4812 | PO Box 191550<br>San Francisco, CA 94119                                                      | Jamman Frazer    | Todd Chalk          | CIPP - CA | 12/2/11       | \$ 120,607.00    | 2481          | 2481             | 12"                             |
| 11164.01 | Memphis, TN - CIPP Annual Contract 2011, 28879, W.O. 1      | Ronald A. Powell, P.E., City of Memphis<br>P 901/757-7125                          | 125 North Main Street Room 354<br>Memphis, TN 38103                                           | Wendell Hunt     | Dan Swidrak         | CIPP - TN | 10/12/12      | \$ 127,806.00    | 2046          | 2046             | 8", 10"                         |
| 11165    | Johnson County, KS - Auth 18, 1-35                          | Patrick Baane, Johnson County Wastewater<br>P 913/715-8500<br>F 913/715-8501       | 1181 S. Sunset Drive, Suite 2500<br>Olathe, KS 66061                                          | Danny Brown      | Tim Bussen          | CIPP - KS | 12/6/11       | \$ 92,666.00     | 540           | 540              | 21"                             |
| 11166    | Concord, NC - CIPP Lining                                   | Enriquez Blvd, City of Concord, NC<br>P 704/681-5033<br>F 704/681-4821             | 850 Warren C. Coleman Blvd<br>PO Box 308<br>Concord, NC 28028                                 | Jeremy Richard   | Gordon Marshall III | CIPP - NC | 4/18/12       | \$ 441,884.00    | 16578         | 16578            | 8", 10", 12"                    |
| 11167    | Phoenix, AZ - SRP, Dobson & Frye, PO 348046                 | Dave Keller, SRP<br>P 602/808-1371<br>F 602/236-2170                               | 1521 N. Project Dr.<br>Tempe, AZ 85281                                                        | Brad Schanning   | Cory Street         | CIPP - AZ | 12/5/11       | \$ 88,625.00     | 210           | 210              | 42"                             |
| 11169    | Southgate, CA - KEC Eng., JD "A" Unit 8, Phase 1            | Charles Hickman, P.E., Sub to KEC Engineering<br>P 951/743-3010                    | 200 N. Sherman Ave<br>Corona, CA 92882                                                        | Jeff Oberholer   | Jeff Ruble          | SPR-CA    | 3/5/12        | \$ 25,500.00     | 50            | 50               | 39"                             |
| 11170    | Sacramento, CA - Fremont Area Sewer Rehab Phase 3           | John Shury, City of Sacramento<br>P 916/808-1400<br>F 916/808-1497/1498            | Department of Utilities<br>Engineering Services Division<br>1395 34th<br>Sacramento, CA 95822 | Jamman Frazer    | Todd Chalk          | CIPP - CA | 9/10/12       | \$ 863,091.59    | 10845         | 10846            | 6", 8", 10", 12", 15", 18", 24" |
| 11171    | Riverwood, MO - CIPP Rehab of Sanitary Sewers               | Jerry Lager, City of Riverwood<br>P 660/867-5674                                   | City of Riverwood<br>PO Box 80<br>Riverwood, MO 64479                                         | Danny Brown      | Tom Qualls          | CIPP - MO | 5/28/12       | \$ 29,121.25     | 1075          | 1075             | 8"                              |
| 11172    | SL Charles, MO - XL Contracting, Adams St Foremain          | Matt St. John, Sub to XL Contracting, Inc.<br>P 636/970-2710<br>F 636/937-1035     | 20 Mid Rivers Trade Ct<br>St. Peters, MO 63378                                                | James Farnsworth | Tim Bussen          | CIPP - MO | 3/21/12       | \$ 1,050,347.94  | 7887          | 7887             | 32", 36"                        |
| 11173    | Central City, IL - Trenchless SS Repair 2011-2012           | Ron Bradham, Village of Central City<br>P 618/532-2123<br>F 618/532-9328           | 141 N. Harrison St.<br>Central City, IL 62301                                                 | Nadi Hirz        | Tim Bussen          | CIPP - IL | 2/7/12        | \$ 49,816.00     | 475           | 475              | 8"                              |
| 11174    | Santa Cruz, CA - Don Chapin, Pajaro River Flap Gate         | Linda Aquino, Sub to Don Chapin Company<br>P 831/449-4273<br>F 831/449-4500        | 560 Crazy Horse Canyon Road<br>Salinas, CA 93907                                              | Glenn Spears     | Todd Chalk          | CIPP - CA | 1/10/12       | \$ 58,050.00     | 160           | 160              | 18"                             |
| 11176    | Phoenix, AZ - SRP, Gilbert Rd & McCallan, PO 333476         | Dave Keller, SRP<br>P 602/808-1371<br>F 602/236-2170                               | 1521 N. Project Dr.<br>Tempe, AZ 85281                                                        | Brad Schanning   | Cory Street         | CIPP - AZ | 3/31/12       | \$ 41,223.00     | 264           | 264              | 21"                             |
| 11177    | Las Vegas, NV - TAB Contractors, Trawley C & D, Gate Inner  | Kevin Dumas, Sub to TAB Contractors, Inc.<br>P 702/842-3033<br>F 702/842-8676      | 412 East Owen Road<br>North Las Vegas, NV 89032                                               | Glenn Spears     | Cory Street         | CIPP - NV | 1/26/12       | \$ 57,738.00     | 952           | 952              | 8"                              |
| 11178    | Fort Worth, TX - Dannon Yogurt Facility, 24" Storm Sewer    | Tim Odls, Sub to Rob-Rooter                                                        | 4600 Marsalis<br>Fort Worth, TX 76117                                                         | Chad Ruhar       | Jimmy Witt          | CIPP - TX | 1/21/12       | \$ 48,350.00     | 210           | 210              | 24"                             |
| 11179    | Bay Minette, AL - North Baldwin Utilities                   | Jason Padgett, North Baldwin Utilities<br>P 251/560-1626<br>F 251/560-2559         | PO Box 1207<br>Bay Minette, AL 36507                                                          | Chad Ruhar       | Jimmy Witt          | CIPP - AL | 12/28/11      | \$ 32,081.00     | 828           | 828              | 6", 10"                         |
| 11182    | Lanesha, KS - Miles Excavating, 87 St & Plumm Rd Stormwater | Steve Miles, Sub to Miles Excavating, Inc.<br>P 913/724-1334                       | 15003 State Avenue<br>Basehor, KS 66007                                                       | Danny Brown      | Dan Swidrak         | CIPP - KS | 12/5/12       | \$ 232,161.50    | 1978          | 1979             | 15", 18", 24", 30", 36"         |
| 12002    | Tucson, AZ - Guest Civil, Ina Rd WW Reclamation Facility    | Jeff Rogney, Sub to Guest Civil Constructors<br>P 623/581-9700<br>F 623/581-9710   | 1903 West Parkside Lane, Suite 100<br>Phoenix, AZ 85027                                       | Glenn Spears     | Cory Street         | CIPP - AZ | 1/28/12       | \$ 81,050.00     | 270           | 270              | 24"                             |
| 12003    | St. Joseph, MO - Sewer Lining 2012                          | City of St. Joseph<br>P 816/271-4761                                               | 1100 Frederick Ave.<br>St. Joseph, MO 64501                                                   | Danny Brown      | Tom Qualls          | CIPP - MO | 5/10/12       | \$ 71,877.60     | 1095          | 1095             | 10", 12", 16", 36"              |

## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                           | Contact Name, Telephone & Fax                                                              | Address                                                        | Superintendent    | Project Manager | Type           | Complete Date | Completed Amount | Total Footage | Footage Complete | Dimensions       |
|----------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------|-----------------|----------------|---------------|------------------|---------------|------------------|------------------|
| 12006    | Hot Springs, AR - Heller Company, Sewer Replacement & Rehab     | Lynn Heller, Sub to Heller Company, Inc.<br>P 5010233-7241<br>F 5010233-3036               | 228 Castilberry Street<br>PO Box 1438<br>Hot Springs, AR 71902 | Danny Brown       | Jimmy Witt      | CIPP - AR      | 8/8/12        | \$ 108,892.25    | 2536          | 2536             | 6", 8", 10", 12" |
| 12008    | San Francisco, CA - NTK, Church & Duboce Track Improvement      | Sammy Kwok, sub to NTK Construction, Inc.<br>P 4150433-1900<br>F 4150433-1300              | 501 Cesar Chavez St., Suite 123<br>San Francisco, CA 94124     | Jamieson Frazer   | Todd Chalk      | CIPP - CA      | 8/18/12       | \$ 332,037.70    | 558           | 558              | 60"              |
| 12009    | Amarillo, TX - 3D Water Trans Line Tarmey Ave to Albert Ave     | W. Jarrett Atkinson, City of Amarillo<br>P 806276-3028<br>F 806276-4944                    | 509 S.E. 7th Avenue<br>PO Box 1971<br>Amarillo, TX 79105       | Billy Galas       | Joe Contois     | Swagaling - TX | 5/10/12       | \$ 984,550.00    | 4000          | 4000             | 30"              |
| 12010    | Phoenix, AZ - SRP, 67th Ave & Camelback Rd., PO 370770          | Dave Keller, SRP<br>P 602808-1371<br>F 602736-2170                                         | 1521 N. Project Dr.<br>Tempe, AZ 85281                         | Brad Schenning    | Cory Street     | CIPP - AZ      | 3/28/12       | \$ 41,820.00     | 140           | 140              | 24"              |
| 12011    | Caltrans, CA - 95A1484, Conley General Engineering              | Sub to Conley General Engineering, Inc.<br>P 831423-9111<br>F 831423-5527                  | 1017 Smith Grade<br>Santa Cruz, CA 95060                       | Glenn Spears      | Jeff Rubio      | CIPP - CA      | 5/10/12       | \$ 50,230.00     | 220           | 220              | 24"              |
| 12014    | Hogansville, GA - Sewage System Improvements                    | James Miley, City of Hogansville, Georgia<br>P 706037-4628<br>F 706037-4813                | 400 East Main Street<br>Hogansville, GA 30230                  | Jeremy Richard    | Loren Goens     | CIPP - GA      | 12/6/12       | \$ 481,630.15    | 7043          | 7043             | 6", 8"           |
| 12015    | Cherry Hills Village, CO - 8" CIPP Lining                       | Kathy McKune, Cherry Hills Village Sanitation District<br>P 303762-4622                    | 3333 S. Bannock Street Suite 250<br>Englewood, CO 80110        | Brad Schenning    | Cory Street     | CIPP - CO      | 3/22/12       | \$ 51,271.00     | 1738          | 1738             | 8"               |
| 12016    | Apex, NC - Portland Utilities, Zone 6 & Salem St.               | Mike Woodcock, Construction Co.<br>Sub to Portland Utilities<br>P 615025-3374              | 117 Denasee St.<br>Portland, TN 37148                          | Wendell Hunt      | Robert Odum     | CIPP - NC      | 3/16/12       | \$ 29,808.00     | 993           | 993              | 8"               |
| 12017    | Santa Fe, TX - Galveston County WCID No. 8-Trunk Sewer Rehab    | Pamela Wood, City of Santa Fe<br>P 409022-6412                                             | PO Box 950<br>Santa Fe, TX 77510                               | Wendell Hunt      | Jimmy Witt      | CIPP - TX      | 8/15/12       | \$ 449,040.00    | 4816          | 4816             | 24", 30"         |
| 12018    | Pacific, CA - Drazal Construction, Palmnetto Sipline Project    | Dennis Monymaker, Sub to Drazal Construction, Inc.<br>P 707527-4986                        | PO Box 7281<br>Santa Rosa, CA 95407                            | Thomas Petanovich | Todd Chalk      | CIPP - CA      | 3/6/12        | \$ 30,000.00     | 243           | 243              | 12"              |
| 12019    | St. Louis, MO - Castle Contracting, Lucielle Groves             | Richard Mueller, Sub to Castle Contracting, LLC<br>P 314421-0042                           | 760 South 2nd Street<br>St. Louis, MO 63102                    | Matt Hirtz        | Tim Bussan      | CIPP - MO      | 3/13/12       | \$ 17,730.00     | 280           | 280              | 8"               |
| 12020    | McFarland, CA - Sewer Rehab Perkins Avenue                      | Blanca Reyes-Garza, City of McFarland<br>P 661762-3061                                     | 401 W. Kam Ave<br>McFarland, CA 93250                          | Glenn Spears      | Todd Chalk      | CIPP - CA      | 5/17/12       | \$ 189,091.00    | 577           | 577              | 12"              |
| 12022    | Proffitt, AZ - Quest Civil Constructors, FY12 Trunk Sewer Rehab | Jeff Rognay, Sub to Quest Civil Constructors<br>P 623584-9700<br>F 623583-9710             | 1903 West Parkside Lane, Suite 100<br>Phoenix, AZ 85027        | Brad Schenning    | Cory Street     | CIPP - AZ      | 4/28/12       | \$ 178,705.60    | 1510          | 1510             | 30"              |
| 12023    | Dillon, CO - Fiore & Sons, Old Dillon Reservoir Enlargement     | Jim LaTerra, Sub to Fiore & Sons, Inc.<br>P 303428-8883                                    | 730 W. 52nd Avenue<br>Denver, CO 80216                         | Billy Galas       | Cory Street     | Swagaling - CO | 8/10/12       | \$ 164,774.63    | 1007          | 1007             | 24"              |
| 12024    | Idaho Falls, ID - Water Line Lining - 2012                      | Kent Fugate, City of Idaho Falls<br>P 208612-4250<br>F 208612-4570                         | Public Works Division<br>PO Box 50220<br>Idaho Falls, ID 83405 | Gerald Hall       | Jim Blaszczak   | Aquapipe - ID  | 7/16/12       | \$ 1,271,008.06  | 5816          | 5816             | 8", 10", 12"     |
| 12025    | Fort Collins, CO - Connell, Bryan & Mulberry                    | Dan Giesler, Sub to Connell Resources, Inc.<br>P 970223-3151<br>F 970223-3191              | 7765 Highland Meadows Pkwy #100<br>Fort Collins, CO 80528      | Brad Schenning    | Cory Street     | CIPP - CO      | 3/23/12       | \$ 15,000.00     | 210           | 210              | 6"               |
| 12026    | Memphis, TN - CIPP 36-48 Rehab Projects (S/W02097)              | Ronald Powell, P.E., City of Memphis<br>P 901070-6683                                      | 125 North Main Street Room 354<br>Memphis, TN 38103            | Wendell Hunt      | Dan Swidrak     | CIPP - TN      | 11/6/12       | \$ 1,978,000.00  | 5589          | 5589             | 36", 42", 48"    |
| 12027    | Tucson, AZ - Achen Gardner, S Park & E Canada, Pine County      | Michael Cardinale, Sub to Achen-Gardner Engineering, LLC<br>P 480940-1300<br>F 480940-4575 | 550 S. 79th St.<br>Chandler, AZ 85226                          | Brad Schenning    | Cory Street     | CIPP - AZ      | 7/3/12        | \$ 19,849.00     | 227           | 227              | 8"               |



## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                              | Contact Name, Telephone, & Fax                                                                  | Address                                                                               | Superintendent    | Project Manager | Type              | Complete Date | Completed Amount | Total Footage | Footage Complete | Diameters                   |
|----------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------|-----------------|-------------------|---------------|------------------|---------------|------------------|-----------------------------|
| 12038    | Reno, NV - Harber Co, 2012 Sewer Rehabilitation                    | Roger Williamson, Sub to Harber Company, Inc.<br>P 702/736-8802                                 | 3764 Civic Center Dr.<br>N Las Vegas, NV 89030                                        | Thomas Pelanovich | Todd Chalk      | CIPP - NV         | 8/4/12        | \$ 1,181,278.60  | 20507         | 20507            | 8", 10", 12", 15", 18", 36" |
| 12042.01 | St. Louis, MO - MSD Hermitage SPR                                  | Steve Wehrick, MSD St. Louis<br>P 636-3376<br>F 314/647-5487                                    | 2350 Market St.<br>St. Louis, MO 63103                                                | Flip Bustillo     | KC Hildenbrand  | SPR - MO          | 8/23/12       | \$ 37,398.00     | 55            | 55               | 60"                         |
| 12043    | Folsom, CA - Wood Street 18 Inch Sewer Rehab                       | Evert Palmer, City of Folsom<br>P 916/355-7200<br>F 916/351-5803                                | Utilities Department<br>50 Nakoma Street<br>Folsom, CA 95630                          | Jamann Frazer     | Todd Chalk      | CIPP - CA         | 6/7/12        | \$ 26,811.00     | 333           | 333              | 18"                         |
| 12045    | Las Vegas, NV - Las Vegas Paving Oakley Emergency                  | Andy Mikhailsky, Sub to Las Vegas Paving Corp.<br>P 702/251-5300<br>F 702/251-4881              | 4420 S. Decatur Blvd.<br>Las Vegas, NV 89103                                          | Glenn Spears      | Cory Street     | CIPP - NV         | 5/1/12        | \$ 48,756.28     | 135           | 135              | 27"                         |
| 12048    | Apex, NC - Hydrostructures, Apex Center St Rehab                   | Brandon Sykes, P.E., Sub to Hydrostructures, P.A.<br>P 919/452-3002<br>F 919/452-8835           | PO Box 1537<br>128 Commerce Court<br>Pittsboro, NC 27312                              | Wendall Hunt      | Robert Odem     | CIPP - NC         | 6/13/12       | \$ 20,000.00     | 380           | 380              | 8"                          |
| 12052    | Sacramento, CA - Cal Sierra Const, El Sur Way-Arden Way            | Sub to Cal Sierra Construction, Inc.<br>P 916/485-3409                                          | 5904 Van Alaine Ave<br>Carmichael, CA 95608                                           | Jamann Frazer     | Todd Chalk      | CIPP - CA         | 7/2/12        | \$ 22,940.00     | 370           | 370              | 18"                         |
| 12054    | Missoula, MT - Mountain Water Co Main St Water Main - Pipebursting | Jonathan Gass, P.E., Mountain Water Company<br>P 406/721-5570<br>F 406/523-5080                 | PO Box 4828<br>Missoula, MT 59802                                                     | Gerald Hall       | KC Hildenbrand  | Pipebursting - MT | 7/28/12       | \$ 689,034.64    | 1484          | 1484             | 8" Pipebursting             |
| 12054.01 | Missoula, MT - Mountain Water Co Main St Water Main - Aquapipe     | Jonathan Gass, P.E., Mountain Water Company<br>P 406/721-5570<br>F 406/523-5080                 | PO Box 4828<br>Missoula, MT 59802                                                     | Gerald Hall       | Jim Blaszcyk    | Aquapipe - MT     | 8/18/12       | \$ 205,226.00    | 1518          | 1518             | 6"                          |
| 12055    | Kansas City, MO - Anderson Backhoe, 5124 NE 42nd St                | Stanley Anderson, Sub to Anderson Backhoe Inc.<br>P 816/367-7833                                | 4301 NW Tudman Road<br>Riverside, MO 64150                                            | Danny Brown       | Tom Qualls      | CIPP - MO         | 7/3/12        | \$ 84,701.75     | 380           | 380              | 42"                         |
| 12056    | Santa Rosa, CA - Laguna Treatment Plant Trunk Sewer & Vault        | Tracy Dunas, City of Santa Rosa<br>P 707/543-3800<br>F 707/543-3801                             | Transportation and Public Works Department<br>69 State Circle<br>Santa Rosa, CA 95401 | Jamann Frazer     | Todd Chalk      | CIPP - CA         | 11/18/12      | \$ 1,193,451.10  | 506           | 506              | 48"                         |
| 12058    | West Des Moines, IA - 2012 Sewer Lining Program                    | Clint Carpenter, City of West Des Moines<br>P 515/222-3480<br>F 515/222-3478                    | Department of Public Works<br>800 E. 16th Street<br>West Des Moines, IA 50265         | Jeff Hitz         | Tim Bussen      | CIPP - IA         | 11/13/12      | \$ 871,883.40    | 28228         | 28228            | 8", 10", 12", 15"           |
| 12059    | Salt Lake City, UT - Kiewit, Orange St Sewer                       | Jody Scholtz, Sub to Kiewit Infrastructure West Company<br>P 802/437-7878<br>F 802/437-7719     | 3849 E. Broadway Rd.<br>Phoenix, AZ 85040                                             | Brad Schenning    | Cory Street     | CIPP - UT         | 7/18/12       | \$ 174,896.00    | 319           | 319              | 48"                         |
| 12062    | Phoenix, AZ - Western Water Works, S 8th Ave & W Illinois St       | Sub to Western Water Works Contracting, Inc.<br>P 602/878-7420                                  | 22223 N. 16th Street<br>Phoenix, AZ 85024                                             | Brad Schenning    | Cory Street     | CIPP - AZ         | 8/18/12       | \$ 190,638.00    | 1723          | 1723             | 24"                         |
| 12063    | Tucson, AZ - Achan Gardner, Speedway Blvd, Pima County             | Michael Candalaria<br>Sub to Achan-Gardner Engineering, LLC<br>P 480/940-1300<br>F 480/940-4576 | 550 S. 78th St<br>Chandler, AZ 85226                                                  | Bred Schenning    | Cory Street     | CIPP - AZ         | 8/21/12       | \$ 258,233.00    | 8314          | 8314             | 8", 10"                     |
| 12064    | Tucson, AZ - Achan Gardner, Second St, Pima County                 | Michael Candalaria<br>Sub to Achan-Gardner Engineering, LLC<br>P 480/940-1300<br>F 480/940-4576 | 550 S. 78th St<br>Chandler, AZ 85226                                                  | Glenn Spears      | Cory Street     | CIPP - AZ         | 8/18/12       | \$ 133,215.00    | 4785          | 4785             | 6", 8"                      |
| 12065    | LaGrange, MO - Sewer System Rehabilitation-2012                    | City of LaGrange, MO<br>P 573/655-4301                                                          | 118 South Main Street<br>LaGrange, MO 63448                                           | Jeff Hitz         | Tim Bussen      | CIPP - MO         | 9/7/12        | \$ 189,042.00    | 6569          | 6569             | 8", 12"                     |
| 12067    | San Leandro, CA - RGV Const, SJ Amoroso, 1105-0248                 | David Abouquidem, Sub to RGV Construction, Inc.<br>P 925/606-2400<br>F 925/606-2488             | 550 Greenville Rd<br>Livermore, CA 94550                                              | Jamann Frazer     | Todd Chalk      | CIPP - CA         | 7/18/12       | \$ 123,650.00    | 92            | 92               | 48"                         |
| 12070    | Caltrans, CA - 05A128085-OR3765, John Madonia                      | John Madonia<br>Sub to John Madonia Construction Co., Inc.<br>P 805/543-7751<br>F 805/543-7754  | PO Box 5310<br>San Luis Obispo, CA 93403                                              | Seth Martin       | Todd Chalk      | CIPP - CA         | 7/18/12       | \$ 78,858.00     | 147           | 147              | 36"                         |

## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                        | Contact Name, Telephone, & Fax                                                                           | Address                                                                | Superintendent    | Project Manager | Type      | Complete Date | Completed Amount | Total Footage | Footage Complete | Diameters                           |
|----------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------|-----------------|-----------|---------------|------------------|---------------|------------------|-------------------------------------|
| 12072    | Mobile, AL - 2012 Annual CIPP                                | Dwight S. McCough, P.E., Mobile Area Water & Sewer System<br>P 251684-3100<br>F 251684-3448              | PO Box 2368<br>Mobile, AL 36652                                        | Jeremy Richard    | Loren Goons     | CIPP - AL | 11/8/12       | \$ 789,882.25    | 17401         | 17401            | 8", 10", 12", 15"                   |
| 12073    | Phoenix, AZ - Achen Gardner, JOA 032, Job 240124             | Chris Dietl, Sub to Achen-Gardner Engineering, LLC<br>P 480940-1300<br>F 480940-4578                     | 550 S. 70th St.<br>Chandler, AZ 85226                                  | Brad Schenning    | Cory Street     | CIPP - AZ | 10/8/12       | \$ 608,666.30    | 16542         | 16542            | 8", 10", 12"                        |
| 12074    | Little Rock, AR - Annual Maintenance Contract, 2012 Renewal  | Reggie Corbett, P.E., Little Rock Wastewater<br>P 501688-1452<br>F 501688-1409                           | 11 Claywater Dr.<br>Little Rock, AR 72004                              | Chad Rusher       | Jimmy Witt      | CIPP - AR | 12/7/12       | \$ 37,644.84     | 890           | 890              | 6", 8"                              |
| 12075    | Caltrans, CA - 08-0N604A, Condon Inc                         | Earl Weiss, Sub to Condon, Inc.<br>P 628455-0050<br>F 628455-0070                                        | 3000 Durfee Avenue<br>El Monte, CA 91732                               | Glenn Spears      | Jeff Rubio      | CIPP - CA | 9/10/12       | \$ 148,008.42    | 895           | 895              | 24", 30"                            |
| 12076    | Half Moon Bay, CA - Sewer Authority MidCoast, 21" Emergency  | Tim Monahan, Sewer Authority Mid-Coastside<br>P 415728-0124<br>F 415728-7833                             | 1000 N. Cabrillo Highway<br>PO Box 3100<br>Half Moon Bay, CA 94019     | Jamann Frazer     | Todd Chalk      | CIPP - CA | 6/20/12       | \$ 79,250.00     | 450           | 450              | 21"                                 |
| 12077    | Oakland, CA - McGuire and Hester, WAF11 CCIP Limer           | Michael Hester, Sub to McGuire and Hester<br>P 510032-7876<br>F 510032-5210                              | 8000 Railroad Avenue<br>Oakland, CA 94603                              | Jamann Frazer     | Todd Chalk      | CIPP - CA | 8/22/12       | \$ 98,878.28     | 510           | 510              | 30"                                 |
| 12078    | Olathe, KS - 2012 CIPP, P.N. 1-4-001-12                      | Ric Gura, Olathe KS, City of<br>P 913871-4311                                                            | PO Box 768<br>Olathe, KS 66051                                         | Danny Brown       | Dan Swidrak     | CIPP - KS | 9/20/12       | \$ 286,336.60    | 11884         | 11884            | 8", 12", 24", 28"                   |
| 12079    | Maitland, MO - CIPP Lining Maple Ave                         | Mark Russell, City of Maitland<br>P 680935-2291<br>F 680935-2529                                         | PO Box 208<br>Maitland, MO 64468                                       | Danny Brown       | Tom Qualls      | CIPP - MO | 8/17/12       | \$ 13,985.00     | 420           | 420              | 8"                                  |
| 12085    | Mesa, AZ - Valley Transit Constructors, LRT-12-176-MESA08    | Gina Van Wagner, Sub to Valley Transit Constructors, A. Kiewit/Mesa JV<br>P 602437-7878<br>F 602437-7808 | 3808 E. Broadway Rd.<br>Phoenix, AZ 85040                              | Brad Schenning    | Brian Ackerman  | CIPP - AZ | 8/21/12       | \$ 273,980.00    | 5510          | 5510             | 12"                                 |
| 12086    | Caltrans, CA - 08A183605-OR4105, John Madonna 442            | Sub to John Madonna Construction Co., Inc.<br>P 805543-7751<br>F 805543-7754                             | PO Box 5310<br>San Luis Obispo, CA 93403                               | Glenn Spears      | Jeff Rubio      | CIPP - CA | 8/2/12        | \$ 64,900.00     | 220           | 220              | 36"                                 |
| 12087    | Auchison, KS - Repair Storm Line, Reg #52112                 | Michael Mathews, City of Auchison<br>P 913287-5500<br>F 913287-3654                                      | Utilities Director<br>515 Kansas Ave.<br>Auchison, KS 66002            | Flip Bustillo     | KC Hillenbrand  | SPR-KS    | 6/30/2012     | \$ 198,300.00    | 300           | 300              | 27" & 18" SPR Inside 48" Invert Egg |
| 12088    | Clinton, MO - 8" Sewer Line                                  | Samuel Gibbons, Clinton MO, City of<br>P 680985-6121<br>F 680985-2023                                    | 105 E. Ohio Street<br>Clinton, MO 64735                                | Danny Brown       | Tom Qualls      | CIPP - MO | 8/24/12       | \$ 13,808.84     | 509           | 509              | 8"                                  |
| 12089    | Caltrans, CA - 03-3M324, Dreambuilder, Rehab Culvert         | Alex Singh, Sub to Dreambuilder<br>P 714846-3697<br>F 714846-3698                                        | 1324 Lawson Ln.<br>Pleasanton, CA 94570                                | Jamann Frazer     | Todd Chalk      | CIPP - CA | 8/28/12       | \$ 262,703.37    | 1890          | 1890             | 18", 24"                            |
| 12090    | Los Gatos, CA - Hilda Rd & Phillips Ave Storm Drain Culvert  | Kevin Rohsen, Town of Los Gatos<br>P 408298-5770<br>F 408298-8228                                        | Public Works Department<br>110 East Main Street<br>Los Gatos, CA 95030 | Jamann Frazer     | Todd Chalk      | CIPP - CA | 8/7/12        | \$ 241,846.25    | 245           | 245              | 24", 34", 58-62"                    |
| 12091    | Fresno, CA - Bid 3169, Sewer Rehab in E Illinois, N Recraft  | Maryann Lewis, City of Fresno<br>P 558821-8650<br>F 558821-8650                                          | Public Works Department<br>2600 Fresno Street<br>Fresno, CA 93721      | Jamann Frazer     | Todd Chalk      | CIPP - CA | 10/10/12      | \$ 230,880.75    | 2281          | 2281             | 12", 15"                            |
| 12092    | Fresno, CA - Bid 3170, Sewer Rehab in S Fruit Ave            | Maryann Lewis, City of Fresno<br>P 558821-8650<br>F 558821-8650                                          | Public Works Department<br>2600 Fresno Street<br>Fresno, CA 93721      | Jamann Frazer     | Todd Chalk      | CIPP - CA | 10/6/12       | \$ 742,267.40    | 2576          | 2576             | 48"                                 |
| 12093    | Platte County, MO - Sanitary Sewer Repairs Phase 1           | Dan Koch, Platte County Regional Sewer District<br>P 816958-2052<br>F 816958-3537                        | 414 State Road 273<br>Tracy, MO 64079                                  | Jamann Frazer     | Dan Swidrak     | CIPP - MO | 10/18/12      | \$ 351,328.15    | 6227          | 6227             | 8"                                  |
| 12094    | Pittsburg, CA - USS-POSCO, PO AP000918, 24" Canal Water Line | Mark Brady, USS-POSCO Industries<br>P 925438-6048                                                        | 800 Lowridge Rd.<br>Pittsburg, CA 94565                                | Thomas Petanovich | Todd Chalk      | CIPP - CA | 8/9/12        | \$ 182,633.00    | 580           | 580              | 24"                                 |

## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                          | Contact Name, Telephone, & Fax                                                                   | Address                                                                                  | Superintendent             | Project Manager | Type          | Complete Date | Completed Amount | Total Footage | Footage Complete | Diameters                    |
|----------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------|-----------------|---------------|---------------|------------------|---------------|------------------|------------------------------|
| 12098    | San Jose, CA - 1750 Monterey-Riverside Sanitary Sewer Rehab    | Amanda Lei, City of San Jose<br>P 408/292-6298<br>F 408/292-6298                                 | Department of Public Works<br>200 E. Santa Clara Street, 5th Floor<br>San Jose, CA 95113 | Thomas Pelanovich          | Todd Chalk      | CIPP - CA     | 12/10/12      | \$ 2,451,325.28  | 12854         | 12854            | 24", 27", 30"                |
| 12097    | Fresno, CA - Bld 3172, Sewer Rehab in S. Third St.             | Ethan Banuelos, City of Fresno<br>P 559/821-4650<br>F 559/821-4650                               | Public Works Department<br>2600 Fresno Street<br>Fresno, CA 93721                        | Jamann Frazer              | Todd Chalk      | CIPP - CA     | 10/26/12      | \$ 348,742.00    | 2443          | 2443             | 18"                          |
| 12098    | Fresno, CA - Bld 3174, Sewer Rehab in N. First St.             | Ethan Banuelos, City of Fresno<br>P 559/821-4650<br>F 559/821-4650                               | Public Works Department<br>2600 Fresno Street<br>Fresno, CA 93721                        | Jamann Frazer              | Todd Chalk      | CIPP - CA     | 2/9/13        | \$ 134,561.00    | 549           | 549              | 12"                          |
| 12101    | Orinda, CA - Bay Pacific, Glorietta Storm Drain                | Sub to Bay Pacific Pipelines, Inc.<br>P 415/937-6958<br>F 415/937-6958                           | 214 Pacheco Ave<br>Novato, CA 94947                                                      | Flip Bustillo              | KC Hildenbrand  | SPR - CA      | 8/3/2012      | \$ 267,000.00    | 430           | 430              | 48" inside 60" CMP           |
| 12102    | Sonoma, CA - Nor-Cal, Tuolumne Utilities District, 2012-070    | Larry Lopes, Sub to Nor-Cal Pipeline Services<br>P 818/472-5400<br>F 530/673-8062                | PO Box 1639<br>Yuba City, CA 95992                                                       | Clann Spears               | Todd Chalk      | CIPP - CA     | 7/28/12       | \$ 71,259.00     | 1539          | 1539             | 6", 8", 15"                  |
| 12103    | San Francisco, CA - Shimmick, Carl Street Track Improvements   | Jeremiah Kent,<br>Sub to Shimmick Construction Company, Inc.<br>P 415/771-5098<br>F 510/771-5098 | 8201 Edgewood Dr, Ste 202<br>Oakland, CA 94607                                           | Jamann Frazer              | Todd Chalk      | CIPP - CA     | 8/4/12        | \$ 27,000.00     | 185           | 185              | 18"                          |
| 12104    | Bellville, IL - Our Lady of the Snows 24" Storm Rehab          | National Shrine Our Lady of the Snows<br>P 618/387-6700<br>F 618/387-6700                        | 442 S DeMazened Dr<br>Bellville, IL 62223                                                | James Farnsworth (Foreman) | Tim Bussen      | CIPP - IL     | 3/20/13       | \$ 49,775.15     | 557           | 557              | 24"                          |
| 12105    | Marin County, CA - 2012 CIPP Lining Program                    | Johnny Tucker, Richardson Bay Sanitary District<br>P 415/984-1345<br>F 415/984-1339              | 500 Tiburon Blvd.<br>Tiburon, CA 94920                                                   | Thomas Pelanovich          | Todd Chalk      | CIPP - CA     | 10/31/12      | \$ 553,678.00    | 5480          | 5480             | 6", 8", 12", 15", 18"        |
| 12106    | Waverly, IL - 10" CIPP                                         | Steve Edwards, City of Waverly<br>P 217/435-4611<br>F 217/435-4611                               | Public Works<br>171 N. Pearl St<br>Waverly, IL 62692                                     | John Price (Foreman)       | Dan Swidrak     | CIPP - IL     | 10/18/12      | \$ 21,884.80     | 604           | 604              | 10"                          |
| 12107    | Sioux Falls, SD - Runge Ent, DS#11 Box Culvert W912P11C-0012   | Robert Robt, Sub to Runge Enterprises, Inc.<br>P 605/334-4833<br>F 605/334-1988                  | PO Box 86490<br>4801 N. Velocity Ave.<br>Sioux Falls, SD 57104/67118                     | Flip Bustillo              | KC Hildenbrand  | SPR - SD      | 12/8/2012     | \$ 475,000.00    | 330           | 330              | Existing 5' x 7' Box Culvert |
| 12110    | Carrollton, IL - Wastewater Collection System Imp Phase II     | William J. Slawson, P.E. City of Carrollton<br>P 217/245-4146<br>F 217/245-4146                  | City Hall<br>821 West South Main Street<br>Carrollton, IL 62018                          | Jeff Hitz                  | Dan Swidrak     | CIPP - IL     | 3/15/13       | \$ 874,334.00    | 6523          | 6523             | 8", 10", 12", 18"            |
| 12111    | Blumar, ND - Water Utility Project #8                          | Melvin J. Bulfinger, P.E. City of Blumar<br>P 701/355-1505<br>F 701/355-1505                     | 221 North Fifth Street<br>PO Box 5503<br>Blumar, ND 58506                                | Gerald Hall                | Jim Blauczyk    | Aquapipe - ND | 10/31/2012    | \$ 985,450.18    | 4897          | 4897             | 6", 8"                       |
| 12113    | Corte Madera, CA - Mountain Cascade, Pump Station & Force Main | Chris Dietrich, Sub to Mountain Cascade, Inc.<br>P 925/373-4370<br>F 925/373-4379                | PO Box 5050<br>Livermore, CA 94551                                                       | Jamann Frazer              | Todd Chalk      | CIPP - CA     | 9/28/12       | \$ 51,280.00     | 80            | 80               | 15"                          |
| 12115    | Johnston, IA - Camp Dodge, IA Army M1 Guard, Raccoon Valley    | Mark Van Houten,<br>Sub to Raccoon Valley Contractors, LLC<br>P 515/887-9754<br>F 515/887-9754   | 520 SE Prairie Park Lane<br>Naukka, IA 50263                                             | Jeff Hitz                  | Tim Bussen      | CIPP - IA     | 10/16/12      | \$ 24,315.15     | 937           | 937              | 8"                           |
| 12118    | Roseville, CA - Carter Kelly, Roseville Townsquare and Intra   | Brett Hayes, Sub to CarterKelly, Inc.<br>P 530/621-0950<br>F 530/621-2344                        | PO Box 1477<br>Pleasantville, CA                                                         | Thomas Pelanovich          | Todd Chalk      | CIPP - CA     | 12/5/12       | \$ 162,240.00    | 899           | 899              | 24", 30"                     |
| 12119    | Owensboro, KY - NWRA CIPP FY 12.3, 2012-09                     | Eric Glahn, Regional Water Resource Agency<br>P 270/687-4452<br>F 270/687-4454                   | 2101 Grimes Ave.<br>Owensboro, KY 42303                                                  | Jeff Hitz                  | Dan Swidrak     | CIPP - KY     | 1/25/13       | \$ 404,787.00    | 1473          | 1473             | 36" 42", 54"                 |
| 12120    | Brighton, IL - GL Warren, Sanitary Sewer Rehab Georgene Acre   | Greg Warren, Sub to GL Warren Construction, Inc.<br>P 618/892-9707<br>F 618/892-1880             | 4785 Section Line Road<br>Edwardsville, IL 62025                                         | Jason Laney                | Dan Swidrak     | CIPP - IL     | 11/26/12      | \$ 63,210.25     | 2363          | 2363             | 8"                           |
| 12121    | Callender, IA - 2012 Sanitary Sewer Pipe Rehab                 | Cap of Callender, IA<br>P 515/546-3655                                                           | 415 Thomas Street<br>Callender, IA 50523                                                 | Josh Grob (Foreman)        | Tim Bussen      | CIPP - IA     | 11/8/12       | \$ 88,737.50     | 3775          | 3775             | 8"                           |

## SAK CONSTRUCTION PROJECTS LIST

| VP Job # | Owner                                                          | Contact Name, Telephone, & Fax                                                                 | Address                                                            | Superintendent            | Project Manager | Type           | Complete Date | Completed Amount | Total Footage | Footage Complete | Diameters                                      |
|----------|----------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------|-----------------|----------------|---------------|------------------|---------------|------------------|------------------------------------------------|
| 12126    | Phoenix, AZ - Western Water Works, Tatum & Cactus              | Chuck Walin,<br>Sub to Western Water Works Contracting, Inc.                                   | 2223 North 16th Street<br>Phoenix, AZ 85024                        | Glenn Spears              | Cory Street     | CIPP - AZ      | 9/23/12       | \$ 180,830.00    | 986           | 986              | 36"                                            |
| 12127    | Boulder City, NV - LV Paving, 12021, NDOT, Hoover Dam          | Andy Mihalsky, Sub to Las Vegas Paving Corp.<br>P 702251-5800<br>F 702251-4891                 | 4420 S. Decatur Blvd.<br>Las Vegas, NV 89103                       | Glenn Spears              | Cory Street     | CIPP - NV      | 9/18/12       | \$ 109,440.00    | 186           | 186              | 18"                                            |
| 12129    | Caesarsville, IL - Fall 2012 Sewer Rehab                       | Bruce Canby, Caesarsville Township<br>P 818098-4248<br>F 818098-8070                           | 10001 Bunkum Road<br>Fairview Heights, IL 62208                    | Matt Hertz                | Tim Bussen      | CIPP - IL      | 11/6/12       | \$ 121,289.00    | 4230          | 4230             | 8"                                             |
| 12130    | Grandview, MO - 2012 Sanitary Sewer Lining Project             | Guy Vincent, City of Grandview<br>P 816016-4856<br>F 816016-4809                               | Public Works Department<br>1200 Main Street<br>Grandview, MO 64030 | Danny Brown               | Dan Swidrak     | CIPP - MO      | 11/6/12       | \$ 42,816.40     | 1593          | 1593             | 8", 12"                                        |
| 12131    | Fort Collins, CO - Hydro Const, 12-01-273 Pipeline             | James E. Eyrich, Sub to Hydroconstruction<br>P 970225-2211                                     | 301 East Lincoln Ave<br>Fort Collins, CO 80524                     | Billy Golas               | Cory Street     | Swagaling - CO | 12/6/12       | \$ 361,418.52    | 1650          | 1650             | 24"                                            |
| 12132    | Vincent, IA - 8" CIPP                                          | John Friman, City of Vincent<br>P 515056-7185<br>F 515056-3199                                 | Po Box 298<br>Vincent, IA 50594                                    | Josh Grole                | Tim Bussen      | CIPP - IA      | 11/14/12      | \$ 18,900.00     | 390           | 390              | 8"                                             |
| 12133    | Spring Hill, KS - Sanitary Sewer Improvements CDBG #2012-15    | Mark Squire, City of Spring Hill, KS<br>P 913092-3964<br>F 913092-5040                         | 401 N. Madison<br>Spring Hill, KS 66085-0424                       | Danny Brown               | Dan Swidrak     | CIPP - KS      | 11/26/12      | \$ 89,884.56     | 2752          | 2752             | 8"                                             |
| 12135    | San Francisco, CA - Precision Engineering, SOMA/Mission        | Finbar Brody, Sub to Precision Engineering<br>P 415621-4882<br>F 415621-4812                   | 1639 Navambs Ave<br>San Francisco, CA 94124                        | Thomas Petelinovich       | Todd Chalk      | CIPP - CA      | 10/27/12      | \$ 35,916.59     | 71            | 71               | 12"                                            |
| 12137    | Shawnee, KS - 3377, 2012 Stormwater Pipe, Mainfield Ln         | Doug Weaselschmidt, P.E., City of Shawnee<br>P 913742-6012                                     | 11110 Johnson Drive<br>Shawnee, KS 66203                           | Flip Bustillo             | Mike Badgley    | SPR - KS       | 12/20/12      | \$ 103,515.00    | 456           | 456              | 36" x 56" Arch CMP - SPR                       |
| 12138    | Shawnee, KS - 3380, 2012 Stormwater Pipe, Brockway             | Doug Weaselschmidt, P.E., City of Shawnee<br>P 913742-6012                                     | 11110 Johnson Drive<br>Shawnee, KS 66203                           | Danny Brown               | Dan Swidrak     | CIPP - KS      | 4/4/13        | \$ 102,039.00    | 339           | 339              | 48"                                            |
| 12139    | Fort Scott, KS - Sanitary Sewer Relining Project               | Richard Cook, City of Fort Scott<br>P 620723-0050<br>F 620723-8100                             | 123 S. Main Street<br>Fort Scott, KS 66701                         | Danny Brown               | Dan Swidrak     | CIPP - KS      | 11/6/12       | \$ 26,059.89     | 701           | 701              | 10"                                            |
| 12142    | Caltrans, CA - George Road, 10-058604, 12-443, Turner Rd       | Ed Barker, Sub to George Road, Inc.<br>P 2090523-1034<br>F 2090523-4827                        | PO Box 4780<br>Modesto, CA 95352                                   | Jamann Frazer             | Todd Chalk      | CIPP - CA      | 5/29/13       | \$ 27,778.00     | 84            | 84               | 18"                                            |
| 12143    | Sacramento, CA - PO 81036096, Sept 2012 CIPP Bundle            | Dillon Meala, Sacramento Area Sewer District<br>P 916076-6480                                  | 10680 Goethe Road<br>Sacramento, CA 95827                          | Jamann Frazer             | Todd Chalk      | CIPP - CA      | 11/8/12       | \$ 80,585.00     | 635           | 635              | 6", 8"                                         |
| 12144    | Fort Bliss, TX - Brown & Caldwell, Mod 158 Phase I             | Sergio Bazaravitch<br>Sub to Brown and Caldwell Constructors<br>P 915645-4400<br>F 915645-8400 | PO Box 8045<br>Walnut Creek, CA 94596                              | Bred Schleming            | Todd Chalk      | CIPP - TX      | 3/21/13       | \$ 3,387,151.01  | 81098         | 81098            | 6", 8", 10", 12", 15", 18", 21", 24", 30", 32" |
| 12145    | Moberly, MO - Upper Northwest Sewer Lining Program             | Kieth Phipps, City of Moberly<br>P 660763-4420<br>F 660763-8398                                | 101 West Road Three<br>Moberly, MO 65270                           | Foreman, James Farnsworth | Dan Swidrak     | CIPP - MO      | 12/21/12      | \$ 95,488.25     | 2748          | 2748             | 8", 10", 12"                                   |
| 12147    | Leawood, KS - J.M. Fabry, 2012 Arterial Mill & Overlay Program | Joseph Fahay, Sub to J.M. Fabry Construction Company<br>P 816763-3010<br>F 816763-3882         | 408 High Grove Road<br>Grandview, MO 64030                         | Danny Brown               | Dan Swidrak     | CIPP - KS      | 11/15/12      | \$ 38,248.50     | 456           | 456              | 18", 24"                                       |
| 12148    | Kansas City, MO - M&G Contracting, Custom Truck & Equip        | Marty Ostronic, Sub to M&G Contracting, LLC                                                    | 8131 Longview Road<br>Leawood, KS 66220                            | Danny Brown               | Dan Swidrak     | CIPP - MO      | 11/10/12      | \$ 56,445.00     | 495           | 495              | 27"                                            |
| 12149    | Fresno, CA - Bid 3173, Sewer Rehab in Shields                  | Pelrick Wendler, City of Fresno<br>P 558021-1332<br>F 558021-1088                              | 2600 Fresno St., 4th Floor<br>Fresno, CA 93721                     | Jamann Frazer             | Todd Chalk      | CIPP - CA      | 2/14/13       | \$ 646,648.00    | 3149          | 3149             | 15", 18"                                       |

## SAK CONSTRUCTION PROJECTS LIST

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|----------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------------|-----------------|------------------|---------------|------------------|---------------|------------------|-------------------|
| 12150    | Sacramento, CA - North Star Const, 4175 Fair Oaks Blvd       | Isabel Baral<br>Sub to North Star Const and Engineering, Inc.<br>P 530673-7030<br>F 530673-1890 | 1282 Stabler Lane #330-108<br>Yuba City, CA 95993                | Thomas Pelanovich    | Todd Chalk      | CIPP - CA        | 10/18/12      | \$ 47,330.00     | 155           | 155              | 24"               |
| 12152    | Caltrans, CA - Loring Bros, 03-JF3605, Emergency Force Act   | Ryan Lavigne, Sub to Loring Brothers Construction, Inc.<br>P 530246-8150                        | 1175 South Auburn St<br>Collins, CA 95713                        | Glenn Spears         | Todd Chalk      | CIPP - CA        | 10/12/12      | \$ 71,280.00     | 240           | 240              | 36"               |
| 12153    | St. Charles, MO - Krupp Const, Boachtown & Fox Hill Storm    | Matt Nelson, Sub to Krupp Construction, Inc.<br>P 636291-8844                                   | 415 Old State Road<br>Ellisville, MO 63021                       | Jeff Hirtz           | Tim Bussen      | CIPP - MO        | 2/28/13       | \$ 16,200.00     | 76            | 76               | 12"               |
| 12155    | San Francisco, CA - Shaw Pipeline, Mason/Powell Sta          | Matthew Shaw, Sub to Shaw Pipeline, Inc.<br>P 415337-0190<br>F 415337-8245                      | 150 Executive Park Blvd, Suite 3780<br>San Francisco, CA 94134   | Thomas Pelanovich    | Todd Chalk      | CIPP - CA        | 11/7/12       | \$ 211,300.00    | 508           | 508              | 48"               |
| 12156    | Belton, MO - TREKK Design, Sanitary Sewer Rehab FY2013       | Kimberly Robinson, Sub to TREKK Design Group, LLC<br>P 816874-4855                              | 1441 East 104th St, Suite 105<br>Kansas City, MO 64131           | Danny Brown          | Dan Swidrak     | CIPP - MO        | 2/5/13        | \$ 855,405.10    | 12885         | 12885            | 8", 10", 12", 36" |
| 12157    | Peoria, AZ - Quast Ventures SW                               | Eddie Howley, Sub to Quast Civil Constructors<br>P 623581-4700<br>F 623581-4710                 | 1903 West Parkside Lane, Suite 100<br>Phoenix, AZ 85027          | Jamann Frazer        | Brian Ackerman  | CIPP - AZ        | 11/20/12      | \$ 957,341.87    | 5811          | 5811             | 30", 36"          |
| 12158    | Fort Collins, CO - Gamay, Laporte Waterline Project          | Jeffrey Moore, Sub to Gamay Construction<br>P 970217-1934                                       | 7811 Saffler Parkway<br>Lubbock, CO 80127                        | Billy Gates          | Cory Street     | Swagelining - CO | 2/20/13       | \$ 488,887.74    | 2113          | 2113             | 27"               |
| 12159    | OT Fallon, MO - Ramsey Excavating, Walmart                   | Alan Ramsey, Sub to Ramsey Excavating Company<br>P 612628-0077                                  | 4650 Washington Avenue N<br>Minneapolis, MN 55412                | Jeff Hirtz           | Tim Bussen      | CIPP - MO        | 1/28/13       | \$ 58,270.00     | 286           | 286              | 8"                |
| 12160    | San Francisco, CA - DW Young, China Basin St                 | Christian Young, Sub to D.W. Young Construction Co.<br>P 823743-1336                            | 333 Conita Ave<br>Alamo, CA 94507                                | Thomas Pelanovich    | Todd Chalk      | CIPP - CA        | 10/27/12      | \$ 70,884.61     | 50            | 50               | 48"               |
| 12163    | Sherwood, AR - Building & Utility Contractors, Sewer System  | Kourash Malik, Sub to Building & Utility Contractors, Inc.<br>P 501097-2594                     | PO Box 68<br>Redfield, AR 72132                                  | Jeff Hirtz           | Dan Swidrak     | CIPP - AR        | 2/19/13       | \$ 208,851.20    | 7283          | 7283             | 8", 10", 12"      |
| 12165    | Johnston, IA - Underground Co, NW 54th Ct Storm Sewer Improv | Rhonda Burkhardt, Sub to Underground Co.<br>P 515282-4455<br>F 515282-8465                      | 12245 Dakota Street<br>Carlisle, IA 50047                        | Josh Grole           | Dan Swidrak     | CIPP - IA        | 12/4/12       | \$ 47,588.50     | 178           | 178              | 24"               |
| 12167    | St. Louis, MO - Covington Const, The Residence at Delcrest   | Eric Vessels, Sub to Covington Construction, LLC<br>P 314983-9500                               | 135 North Meramec Avenue, Suite 500<br>St. Louis, MO 63105       | Josh Grole (Foreman) | Tim Bussen      | CIPP - MO        | 2/20/13       | \$ 34,188.50     | 436           | 436              | 8", 24"           |
| 12171    | Collinsville, IL - 8" CIPP, Vandall's, Clay St, Madison St   | Eric Nagel, City of Collinsville<br>P 618246-5200                                               | Waste Water Dept.<br>300 Simple Street<br>Collinsville, IL 62234 | Matt Hirtz           | Tim Bussen      | CIPP - IL        | 12/15/12      | \$ 19,570.00     | 738           | 738              | 8"                |
| 12174    | Daily City, CA - Highway Crossings 2013 Project              | Tom Piccolini, City of Daily City<br>P 650091-4200                                              | 153 Lake Merced Blvd.<br>Daily City, CA 94015                    | Gerald Hall          | Jim Blaszyk     | Aquapipe - CA    | 12/6/12       | \$ 380,000.00    | 2530          | 2530             | 6", 8", 12"       |
| 12174.01 | Daily City, CA - Highway Crossings 2013 CIPP                 | Tom Piccolini, City of Daily City<br>P 650091-4200                                              | 153 Lake Merced Blvd.<br>Daily City, CA 94015                    | Thomas Pelanovich    | Todd Chalk      | CIPP - CA        | 12/1/12       | \$ 28,200.00     | 475           | 475              | 10"               |
| 12175    | Memphis, TN - CIPP Mt Moriah Emergency Repair                | Scott Morgan, P.E., City of Memphis<br>P 901576-6720<br>F 901576-7118                           | Environmental Engineering<br>125 N. Main<br>Memphis, TN 38103    | Josh Grole (Foreman) | Dan Swidrak     | CIPP - TN        | 12/6/12       | \$ 814,794.28    | 571           | 571              | 48"               |
| 12176    | Union City, CA - Boyce Road LIR Station Project              | Curtis Bonick, Union Railway District<br>P 510477-7500<br>F 510477-7508                         | 5072 Benson Road<br>Union City, CA 94587                         | Thomas Pelanovich    | Todd Chalk      | CIPP - CA        | 12/12/12      | \$ 48,630.00     | 66            | 66               | 30"               |

## SAK CONSTRUCTION PROJECTS LIST

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|----------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------|-----------------|-----------|---------------|------------------|---------------|------------------|-----------------------|
| 12177    | Caltrans, CA - 05-0M7504, Graniterock, 4484, HWY 1 HMA          | Karl Philippovich<br>Sub to Granite Rock Company dba Pavet Construction Division<br>P 831/768-2701<br>F 831/768-2701 | 411 Walker Street<br>Waltonville, CA 95076                      | Thomas Pelanovich                | Todd Chalk      | CIPP - CA | 2/5/13        | \$ 63,315.70     | 210           | 210              | 24"                   |
| 12178    | Sacramento, CA - North Star Const, Raleigh Drainage Improvement | Sub to North Star Construction and Engineering, Inc.<br>P 530/873-7080<br>F 530/873-1880                             | 1282 Stabler Lane #630-108<br>Yuba City, CA 95993               | Thomas Pelanovich                | Todd Chalk      | CIPP - CA | 1/11/13       | \$ 48,180.00     | 510           | 510              | 18"                   |
| 12181    | Dawson, GA - Underground Pipeline, CIPP                         | Rodney James,<br>Sub to Underground Pipeline Rehabilitation, Inc.<br>P 912/641-0942                                  | 6422 US Hwy 84<br>Patterson, CA 91557                           | Wendell Hunt                     | Loren Goens     | CIPP - CA | 12/17/12      | \$ 32,800.00     | 1312          | 1312             | 8"                    |
| 12182    | Kansas City, MO - Kiasick Quicktrip #178, 108th & State Line    | John Garvey,<br>Sub to Kiasick Construction Co.<br>P 816/933-5539<br>F 816/933-1557                                  | 8131 Indiana Ave.<br>Kansas City, MO 64132                      | Danny Brown                      | Dan Swidrak     | CIPP - MO | 12/28/12      | \$ 18,970.48     | 289           | 289              | 10"                   |
| 12183    | San Francisco, CA - A Ruiz, 1911J Folkson St Pavement           | Antonio Ruiz,<br>Sub to A Ruiz Construction Co. & Assoc., Inc.<br>P 415/647-4010<br>F 415/621-8942                   | 1801 Cordland Ave<br>San Francisco, CA 94110                    | Andrew Johnson                   | Todd Chalk      | CIPP - CA | 4/18/13       | \$ 35,928.00     | 284           | 284              | 12"                   |
| 12184    | Gilbert, AZ - JPCL Ray Road 38" Sewer Line Repair               | Joe Nudiono, Jr., Sub to Joseph Painting Company, Inc.<br>P 480/880-1212                                             | 4702 E. Virginia Street<br>Mesa, AZ 85215                       | Brad Schenning                   | Brian Ackerman  | CIPP - AZ | 2/27/13       | \$ 127,382.50    | 600           | 600              | 30"                   |
| 12190    | San Francisco, CA - D'Arcy & Harty, WW654, Sewer & Pavement     | Maria Tule, Sub to D'Arcy & Harty Construction, Inc.<br>P 415/822-5200<br>F 415/822-0747                             | 1300 Carroll Avenue<br>San Francisco, CA 94124                  | Jamann Frazer                    | Todd Chalk      | CIPP - CA | 5/9/13        | \$ 99,720.00     | 436           | 436              | 12", 18"              |
| 12191    | Sacramento, CA - PO #1947343, Dec 2012 CIPP Bundle              | Dillon Miele, Sacramento Area Sewer District<br>P 916/976-6480                                                       | 10660 Goatha Road<br>Sacramento, CA 95827                       | Thomas Pelanovich                | Todd Chalk      | CIPP - CA | 1/28/13       | \$ 122,571.70    | 2171          | 2171             | 6", 8"                |
| 12193    | San Francisco, CA - A Ruiz, JohnSpofford/Sutcliffe/Post WW-488  | Victor Godinez, Sub to A Ruiz Construction Co & Assoc., Inc.<br>P 415/647-4010<br>F 415/621-8942                     | 1801 Cordland Ave<br>San Francisco, CA 94110                    | Jamann Frazer                    | Todd Chalk      | CIPP - CA | 5/2/13        | \$ 969,749.00    | 2350          | 2350             | 42", 44"              |
| 12194    | St Louis, MO - Fred Weber, 415325, MO DOT J61748                | Thomas E. Hayes, Sub to Fred Weber, Inc.<br>P 314/454-0070<br>F 314/444-0070                                         | 2320 Crewe Court Mill Road<br>Maryland Heights, MO 63043        | Mat Hirtz                        | Tim Bussen      | CIPP - MO | 4/25/13       | \$ 98,315.00     | 139           | 139              | 20"                   |
| 13001    | El Granada, CA - CIPP Lining of Prication Pump Station          | Chuck Duff, Granada Sanitary District<br>P 760/479-4125<br>F 760/942-5208                                            | 504 Avenue Alhambra, Third Floor<br>El Granada, CA 94016        | Andrew Johnson                   | Todd Chalk      | CIPP - CA | 1/8/13        | \$ 25,000.00     | 32            | 32               | 14"                   |
| 13005    | San Francisco, CA - Shaw Pipeline, Downtown District            | Andrew Mellon, Sub to Shaw Pipeline, Inc.<br>P 415/337-0190                                                          | 150 Executive Park Blvd., Suite 3780<br>San Francisco, CA 94134 | Beth Merin                       | Todd Chalk      | CIPP - CA | 2/22/13       | \$ 370,057.00    | 1114          | 1114             | 8", 44"               |
| 13006.01 | Tucson, AZ - Achen Gardner, PCRW, W Silverbell                  | Michael Cardenas,<br>Sub to Achen-Gardner Engineering, LLC<br>P 480/940-1300<br>F 480/940-4578                       | 550 South 70th Street<br>Chandler, AZ 85226                     | Brad Schenning,<br>Heusa Hancock | Brian Ackerman  | CIPP - AZ | 3/7/13        | \$ 16,448.00     | 276           | 276              | 8"                    |
| 13008    | Clinton, MO - 8" Sewer, David St & Montgomery St                | Cliff Jordan, City of Clinton<br>P 660/885-6121<br>F 660/885-2023                                                    | 105 E. Ohio Street<br>Clinton, MO 64735                         | Danny Brown                      | Dan Swidrak     | CIPP - MO | 2/1/13        | \$ 13,132.50     | 309           | 309              | 8"                    |
| 13009    | Pima County, AZ - B & F Contracting                             | Dan Foley, Sub to B&F Contracting, Inc.<br>P 823/942-1170<br>F 823/942-3161                                          | 11011 North 23rd Avenue<br>Phoenix, AZ 85026                    | Brad Schenning                   | Brian Ackerman  | CIPP - AZ | 3/8/13        | \$ 103,037.00    | 2281          | 2281             | 6", 8", 10", 15", 16" |
| 13013    | Macon, IL - PW 13-01, Sanitary Sewer Lining                     | Jason Blunier, City of Macon<br>P 308/833-2575<br>F 308/836-1080                                                     | PO Box 377<br>Macon, IL 61455                                   | James Farnsworth<br>(Foreman)    | Tim Bussen      | CIPP - IL | 3/18/13       | \$ 52,211.10     | 1642          | 1642             | 8", 10"               |
| 13014    | Sonora, CA - Tuolumne Utilities District Twin Hurd Intake       | Erin Johnson, Tuolumne Utilities District<br>P 209/532-5538<br>F 209/536-6485                                        | 18885 Nugat Blvd.<br>Sonora, CA 95370                           | Jamann Frazer                    | Todd Chalk      | CIPP - CA | 3/1/13        | \$ 64,850.00     | 2230          | 2230             | 10"                   |



| VP Job # | Owner                                                           | Contact Name, Telephone, & Fax                                                                           | Address                                            | Superintendent              | Project Manager | Type      | Complete Date | Completed Amount | Total Footage                  | Footage Complete | Diameters     |
|----------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|-----------------|-----------|---------------|------------------|--------------------------------|------------------|---------------|
| 13015    | Modesto, CA - HPS Mechanical, 2044, Primary<br>Outfall Rehab    | Jay Bianvella, Sub to HPS Mechanical, Inc.<br>P 6817097-2117<br>F 6813086-2589                           | 3100 E. Balla Terrace<br>Bakersfield, CA 93307     | Jermann Frazer              | Todd Chalk      | CIPP - CA | 8/1/13        | \$ 1,253,828.50  | 1179                           | 1179             | 60", 66"      |
| 13024    | Topeka, KS - ERIM, 8" Sewer 4801 SW Topolia Blvd,<br>KDHE       | Michael A. Jennings, R.G.,<br>Sub to Environmental Remediation & Monitoring, Inc.<br>P 785494-2015       | PO Box 321<br>Meriden, KS 66512                    | Danny Brown                 | Dan Swidrak     | CIPP - KS | 3/15/13       | \$ 24,345.00     | 481                            | 481              | 8"            |
| 13025    | Chandler, AZ - SRP, RP-31265, Garmann Rd CIPP                   | Hassan Elasad, P.E., Salt River Project<br>P 6026529-4365<br>F 6026529-4365                              | PO Box 29066<br>Phoenix, AZ 85038                  | Hausa Hancock               | Brian Ackerman  | CIPP - AZ | 4/26/13       | \$ 745,000.00    | 3269                           | 3269             | 48", 54", 60" |
| 13031    | Glenwood, IA - 2013 CIPP Sanitary Sewer                         | Jim Olmsted, Olmsted & Perry Consulting Engineers, Inc.<br>(Engineer)<br>P 4027099-4552<br>F 405389-9852 | 10730 Pacific Street, Suite 232<br>Omaha, NE 68114 | Alan Stuhlsatz<br>(Foreman) | Tim Bussen      | CIPP - IA | 5/31/13       | \$ 82,219.05     | 3527                           | 3527             | 8"            |
| 13032    | Fresno, CA - Floyd Johnston, Sewer Rehab, Sierra<br>Marie       | Evelyn Johnston,<br>Sub to Floyd Johnston Construction Co., Inc.<br>P 558229-7373<br>F 558233-9448       | 2301 Hemdon Avenue<br>Clovis, CA 93811             | Jermann Frazer              | Todd Chalk      | CIPP - CA | 5/31/13       | \$ 27,270.00     | 131                            | 131              | 8"            |
| 13034    | Long Beach, CA - Kiewit Power, 15171, Hayinas S&S<br>Repowering | Jason Rodriguez, Sub to Kiewit Power Constructors, Inc.<br>P 562735-3850<br>F 562735-3951                | 9401 Renner Boulevard<br>Lawson, KS 66219          | Glen Sparsa                 | Leo Calvario    | CIPP - CA | 5/7/13        | \$ 38,790.00     | 66                             | 66               | 12"           |
| 13038    | SL Louis, MO - JH Berra, MSD, Emergency<br>Manchester & Hanley  | Frank Berra, Sub to J.H. Berra Construction<br>P 314467-5817<br>F 314467-5817                            | 5081 New Baumgartner Road<br>St. Louis, MO 63129   | Matt Hiltz                  | Tim Bussen      | CIPP - MO | 4/26/13       | \$ 91,167.50     | 250                            | 250              | 42"           |
| 13051    | Tucson, AZ - Achen Gardner, PCRW, 3247724,<br>Roger Road        | Michael Candalaria,<br>Sub to Achen-Gardner Construction, LLC<br>P 480840-7300                           | 550 S. 7th St.<br>Chandler, AZ 85226               | Hausa Hancock               | Brian Ackerman  | CIPP - AZ | 5/23/13       | \$ 55,600.85     | 1591                           | 1591             | 8"            |
|          |                                                                 |                                                                                                          |                                                    |                             |                 |           |               |                  | Total<br>Footages<br>Complete: | 3,372,996        |               |

**ATTACHMENT "E"**

**MANDATORY** Pre-bid meeting to be held on Wednesday, July 10, 2013 at 9:00 a.m., in the 1st Floor Conference Room at 320 Fountain Circle, Huntsville, AL 35801. Bidders must attend this pre-bid meeting in order to be eligible to submit a bid.

**NOTICE TO CONTRACTORS**

**WANTED:** Sealed bids in duplicate for the construction of: Sanitary Sewer Rehabilitation Cured-In-Place Pipe (CIPP) Installation-2013, more particularly known as Project No. 65-13-SP32

Description of Project: The purpose of this project is to provide for rehabilitation of existing sanitary sewer pipes by repairing localized structurally damaged areas (point repairs), if needed, to allow for installation and performance of Cured-In-Place Pipe (CIPP) within the existing sanitary sewer pipes in areas denoted in the plan set. Pipe sizes vary from 8" to 36" in diameter and the contractor shall encounter pipe materials of several different types. Additionally, there will be an optional periodic portion of the contract to perform point repairs and/or CIPP work on an as-needed, on-call basis. Each periodic project will be designated by the City of Huntsville utilizing unit prices for the commonly performed contractor work items. All periodic work is intended to be performed within the shortest possible time frame with the work beginning and ending on dates selected by the City of Huntsville. Failure to comply with the times specified in the Notice to Proceed (NTP) may, in the sole determination of the City of Huntsville, result in the contractor being prohibited from bidding on additional work for the City until such time as contractor is back on schedule. Contractor must meet experience requirements and be able to respond onsite within twenty-four (24) hours of an emergency call from the Water Pollution Control Department.

The attention of all bidders is called to Code of Alabama §§ 34-8-1 and 34-8-2 (1975) and 34-8-1, 34-8-2, 34-8-4, 34-8-6, 34-8-7, 34-8-8 and 34-8-9 (amended 1998) setting forth the definition of general contractor and the licensing procedures and requirements for state licensing. A copy of the above Codes may be obtained from the OWNER (City of Huntsville). No one is entitled to bid and no contract may be awarded to anyone who does not possess a valid general contractor's license and the required classification for the municipal type work to be performed. The general contractor's license and classification must appear on the outside of the bid envelope along with the general contractor's name and address, project name and number and date and time of bid opening. Section 39-3-5 Code of Alabama has been amended as follows:

"In awarding the Contract, preference will be given to Alabama resident contractors and a nonresident bidder domiciled in a state having laws granting preference to local contractors shall be awarded the Contract only on the same basis as the nonresident bidder's state awards contracts to Alabama contractors bidding under similar circumstances."

This project Sanitary Sewer Rehabilitation Cured-In-Place Pipe (CIPP) Installation-2013, more particularly known as Project No. 65-13-SP32 requires the contractor to possess a State of Alabama Classification of (MU) Municipal & Utility or (MU-S) Specialty Construction Sewer or Pipelines/Underground Piping.

After proposals are opened and read, they will be compared on the basis of the summation of the products or approximate quantities shown in Attachment "A", multiplied by the unit bid prices. In the event of a discrepancy between unit bid prices and extensions, the unit bid price shall govern. A proposal will not be considered unless signed by the bidder or his authorized agent and accompanied by cashier's check or properly signed bid bond, as required by law.

In determining the successful bidder, the Owner will consider in addition to the bid prices, such responsibility factors as characteristics and responsibility, skill, experience, record of integrity in business, and of performance offered and past record of performance on Owner contracts on other similar projects. Any other factors not specifically mentioned or provided for herein, in addition to that of the bid price which would affect the final cost of the Owner, will be taken into consideration in making award of contract. The right is reserved to reject any bid where investigation of the business and technical organization of the bidder available for the contemplated work, including financial resources, equipment, and experience on similar projects does not satisfy the Owner that such bidder is qualified to perform the work. The City Council of the City of Huntsville reserves the right to reject any and all bids and to waive informalities.

Separate sealed bids for the construction of this project will be received at the City of Huntsville Public Services Building, 320 Fountain Circle, in the 1st Floor in the Conference Room, on the 16<sup>th</sup> day of July, 2013, until 10:00 am. Each bid shall be accompanied by an original signed, dated and sealed Bid Bond in the amount of not less than five percent (5%) of the total shown on the schedule of prices, but not exceeding \$10,000.00. Quantities are known as Attachment "A". No bidder may withdraw his bid within ninety (90) days after the actual date of opening.

These Addenda, Special Provisions, Plans, the Supplement to General Requirements for Construction of Public Improvements City of Huntsville Specifications, Standard Specifications for Construction of Public Improvements Contract Projects and all supplementary documents are essential parts of the contract, and a requirement occurring in one is as binding as though occurring in all. They are intended to be complimentary and to describe and provide for a complete work. In case of discrepancy, calculated dimensions, unless obviously incorrect, shall govern over scaled dimensions.

Plans shall govern over Supplemental Specifications, Supplemental Specifications shall govern over the Standard Specifications for Construction of Public Improvements Contract Projects. Special Provisions shall govern over Standard Specifications for Construction of Public Improvements Contract Projects, Supplemental Specifications. Standard Specifications for Construction of Public Improvements Contract Projects and Engineering Standards are available at no charge by downloading from the City Engineering website: [www.huntsvilleal.gov/engineering](http://www.huntsvilleal.gov/engineering) Plans and proposals can be downloaded from our website at no cost: [www.huntsvilleal.gov/engineering/bidlist.html](http://www.huntsvilleal.gov/engineering/bidlist.html) Contractors will be responsible for costs of duplicating their own plans and can choose photocopying facility of their choice. Additionally, Contractors are responsible for checking website for any revisions/updates. Contractor is required to submit pricing, provided by the COH (Attachment "A") and made available for download from the Engineering website, on either a 3 1/4" floppy disk or CD-RW (preferably in a live/flash drive format) in the Excel format. The bid disk or the CD-RW (preferably in a live/flash drive format) must be in working condition and included with original bid packet and reflect the correct revision, along with two signed hard copies. Failure to do so shall be cause for rejection of bid. If a price discrepancy is found on bid disk or CD-RW, printed hard copy prices submitted with original bid documents, with Contractor signature, will prevail.

#### **E-VERIFY – NOTICE**

The Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975) § 31-13-1 through 31-13-30 (also known as and hereinafter referred to as "the Alabama Immigration Act") as amended by Act No. 2012-491 on May 16, 2012 is applicable to all competitively bid contracts with the City of Huntsville. As a condition for the award of a contract and as a term and condition of the contract with the City of Huntsville, in accordance with § 31-13-9 (a) of the Alabama Immigration Act, as amended, any business entity or employer that employs one or more employees shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. During the performance of the contract, such business entity or employer shall participate in the E-Verify program and shall verify every employee that is required to be verified according to the applicable federal rules and regulations. The business entity or employer shall assure that these requirements are included in each subcontract in accordance with §31-13-9(c). Failure to comply with these requirements may result in breach of contract, termination of the contract or subcontract, and possibly suspension or revocation of business licenses and permits in accordance with §31-13-9 (e) (1) & (2). Code of Alabama (1975) § 31-13-9 (k) requires that the following clause be included in all City of Huntsville contracts that have been competitively bid and is hereby made a part of this contract:

"By signing this contract the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom."

Contractor's E-Verify Memorandum of Understanding shall be a part of the contract bid documents and shall be submitted with the bid package.

#### **ALABAMA IMMIGRATION ACT (Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975))**

Compliance with the requirements of the (Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975) § 31-13-1 through 31-13-30, as amended by Alabama Act 2012-241, commonly referred to as the Alabama Immigration Law, is required for City of Huntsville, Alabama contracts that are competitively bid as a condition of the contract performance. The Contractor shall submit in the bid package, with the requested information included on the form, the "City of Huntsville, Alabama Report of Ownership Form" listed in the bid proposal as Attachment "H". The bidder selected for award of the contract may be required to complete additional forms relating to citizenship or alien status of the bidder and its employees, including e-verify information, prior to award of a contract.

**ATTACHMENT "F"**  
**SAMPLE FORM**  
**REQUEST FOR PAYMENT**  
**CITY OF HUNTSVILLE ENGINEERING DIVISION**

PROJECT NAME AND NUMBER: \_\_\_\_\_

ESTIMATE NUMBER: ONE (1) PERIOD FROM: 03/11/05 TO \_\_\_\_\_  
 CONTRACT DURATION 0 DAYS  
 START DATE: 03/11/05 END DATE: 3/11/05 TOTAL CONTRACT TIME (3) 0 DAYS

REFER TO COH SUPPLEMENT  
 TO GENERAL REQUIREMENTS:  
 CHANGE ORDERS - CHANGE  
 TO CONTRACT TIME

|      |          |            |          |                                  |
|------|----------|------------|----------|----------------------------------|
| TIME | C.O. # 1 | DAYS ADDED | <u>0</u> | CONTRACT DAYS REMAINING <u>0</u> |
| TIME | C.O. # 2 | DAYS ADDED | <u>0</u> |                                  |

TOTAL CONTRACT AMOUNT (1) AS AWARDED \$ 200,000.00 CURRENT \$ 200,000.00  
 C.O. # 1 \$ -  
 C.O. # 2 \$ -

TOTAL AMOUNT EARNED TO DATE LESS STORED MATERIALS (2): \$ -

MATERIAL STORED (INVOICE ATTACHED) \$ -

RETAINAGE (5%) OF 50% OF CONTRACT Amount is in accordance with ALDOT and COH specifications and is based on the contract amount before change orders. \$ -

AMOUNT EARNED AFTER RETAINAGE \$ -

LIQUIDATED DAMAGES PER DAY 300

LIQUIDATED DAMAGES ASSESSED TO DATE -

FOR CONDITIONS RELATED TO PAYMENT  
 CALCULATIONS, LIQUIDATED DAMAGES, AND  
 CHANGING CONTRACT REQUIREMENTS, PLEASE REFER TO  
 YOUR CONTRACT  
 SUPPLEMENT TO GENERAL REQUIREMENTS SECTION  
 4. CHANGE ORDERS  
 22. PAYMENT.

Damages, if applicable, will automatically be calculated by subtracting the contract end date from the invoice period end date and multiplying the days by the daily damages amount. Damages will automatically be deducted from amounts otherwise due.

TOTAL AMOUNT PREVIOUSLY APPROVED TO DATE: \$ -

AMOUNT DUE THIS ESTIMATE WITHOUT LIQUIDATED DAMAGES \$ -

A: % OF TIME ELAPSED: TIME ELAPSED TO DATE \_\_\_\_\_ DAYS  
 TOTAL CONTRACT TIME (3) 0 DAYS

B: PROJECT COMPLETION: TOTAL EARNED TO DATE (2) -  
 TOTAL CONTRACT AMOUNT 200,000.00 0%

C: PROGRESS OF WORK: B - A: =

**CONTRACTORS CERTIFICATE**

I, \_\_\_\_\_ the duly qualified, duly and authorized agent for the contractor on the above project, do hereby certify that we have performed all of the work set forth in exhibit accordance with the plans, specifications, laws and ordinances applicable thereto, and do further certify that all materials, labor, and equipment listed herein have been paid for in full as allowed on all prior estimates and if required to do so, we will show evidence of payment for the same in writing before the first payment of this estimate. We further certify that the amount worked hereunder is considered compensation and final payment in full for all work performed under the contract, including any amendments thereto and, upon payment of said sum, hereby release the Owner, its employees, agents, and representatives in accordance with said contract. We further certify that we fully guarantee all work performed hereunder for a period of twelve months from the date of payment of the final estimate (in accordance with the terms of our original contract and all amendments thereto), during which time all laws and conditions of the original contract documents shall remain in full force and effect, including the Insurance requirements, Hold Harmless Agreement, and Indemnifying Agreement as mentioned in said contract documents.

CERTIFIED FOR PAYMENT ON THIS THE \_\_\_\_\_ DAY OF \_\_\_\_\_  
 BY: \_\_\_\_\_ CONTRACTOR: \_\_\_\_\_  
 TITLE: \_\_\_\_\_  
 SIGNED: \_\_\_\_\_ WITNESS: \_\_\_\_\_  
 SIGNATURE

We have checked the quantities and extensions to this estimate, and to the best of our knowledge, the estimate is true and correct.

**APPROVED FOR PAYMENT**

BY: \_\_\_\_\_  
 CONSTRUCTION INSPECTOR  
 BY: \_\_\_\_\_  
 PROJECT ENGINEER

BY: \_\_\_\_\_  
 SHANE DAVIS, CITY ENGINEER  
 OR RON ADAMS, DEPUTY CITY ENGINEER  
 OR LYNN MAJORS, ADMINISTRATIVE OFFICER  
 IF FINAL ESTIMATE, DATE WORK WAS  
 COMPLETED: \_\_\_\_\_

## **ATTACHMENT "G"**

All vendors/contractors are required to submit a Federal Tax Form W-9 to City of Huntsville at the time a contract is awarded, unless vendor/contractor is already registered and doing business with the City. No payments of invoices can be made until this W-9 Tax Form has been properly submitted. A copy of the W-9 Tax Form can be obtained at the following website: [www.irs.ustreas.gov/pub/irs-pdf/fw9.pdf](http://www.irs.ustreas.gov/pub/irs-pdf/fw9.pdf)



## ATTACHMENT "H"

## CITY OF HUNTSVILLE, ALABAMA REPORT OF OWNERSHIP FORM

## A. General Information. Please provide the following information:

- Legal name(s) (include "doing business as", if applicable): SAK Construction, LLC
- City of Huntsville current taxpayer identification number (if available): N/A  
(Please note that if this number has been assigned by the City and if you are renewing your business license, the number should be listed on the renewal form.)

## B. Type of Ownership. Please complete the un-shaded portions of the following chart by checking the appropriate box below and entering the appropriate Entity I.D. Number, if applicable (for an explanation of what an entity number is, please see paragraph C below):

| Type of Ownership<br>(check appropriate box)                             | Entity I. D. Number<br>& Applicable State            |
|--------------------------------------------------------------------------|------------------------------------------------------|
| <input type="checkbox"/> Individual or Sole Proprietorship               | Not Applicable                                       |
| <input type="checkbox"/> General Partnership                             | Not Applicable                                       |
| <input type="checkbox"/> Limited Partnership (LP)                        | Number & State:                                      |
| <input type="checkbox"/> Limited Liability Partnership (LLP)             | Number & State:                                      |
| <input type="checkbox"/> Limited Liability Company (LLC) (Single Member) | Number & State:                                      |
| <input checked="" type="checkbox"/> LLC (Multi-Member)                   | Number & State: 614-338                              |
| <input type="checkbox"/> Corporation                                     | Number & State:                                      |
| <input type="checkbox"/> Other, please explain:                          | Number & State (if a filing entity under state law): |

C. Entity I.D. Numbers. If an Entity I.D. Number is required and if the business entity is registered in this state, the number is available through the website of Alabama's Secretary of State at: [www.sos.state.al.us/](http://www.sos.state.al.us/), under "Government Records". If a foreign entity is not registered in this state please provide the Entity I.D. number (or other similar number by whatever named called) assigned by the state of formation along with the name of the state.D. Formation Documents. Please note that, with regard to entities, the entity's formation documents, including articles or certificates of incorporation, organization, or other applicable formation documents, as recorded in the probate records of the applicable county and state of formation, are not required unless: (1) specifically requested by the City, or (2) an Entity I.D. Number is required and one has not been assigned or provided.

Please date and sign this form in the space provided below and either write legibly or type your name under your signature. If you are signing on behalf of an entity please insert your title as well.

Signature: Title (if applicable): Vice PresidentType or legibly write name: Boyd HirtzDate: July 15, 2013





Company ID Number: 17365

Client Company ID Number: 576285

## THE E-VERIFY PROGRAM FOR EMPLOYMENT VERIFICATION MEMORANDUM OF UNDERSTANDING FOR EMPLOYERS USING A E-VERIFY EMPLOYER AGENT

### ARTICLE I

#### PURPOSE AND AUTHORITY

This Memorandum of Understanding (MOU) sets forth the points of agreement between the Department of Homeland Security (DHS), SAK Construction (Employer), and General Information Services, Inc. (E-Verify Employer Agent) regarding the Employer's and E-Verify Employer Agent's participation in the Employment Eligibility Verification Program (E-Verify). This MOU explains certain features of the E-Verify program and enumerates specific responsibilities of DHS, the Social Security Administration (SSA), the Employer, and the E-Verify Employer Agent. References to the Employer include the E-Verify Employer Agent when acting on behalf of the Employer. E-Verify is a program that electronically confirms an employee's eligibility to work in the United States after completion of the Employment Eligibility Verification Form (Form I-9). For covered government contractors, E-Verify is used to verify the employment eligibility of all newly hired employees and all existing employees assigned to Federal contracts or to verify the entire workforce if the contractor so chooses.

Authority for the E-Verify program is found in Title IV, Subtitle A, of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), Pub. L. 104-208, 110 Stat. 3009, as amended (8 U.S.C. § 1324a note). Authority for use of the E-Verify program by Federal contractors and subcontractors covered by the terms of Subpart 22.18, "Employment Eligibility Verification", of the Federal Acquisition Regulation (FAR) (hereinafter referred to in this MOU as a "Federal contractor with the FAR E-Verify clause") to verify the employment eligibility of certain employees working on Federal contracts is also found in Subpart 22.18 and in Executive Order 12989, as amended.

### ARTICLE II

#### FUNCTIONS TO BE PERFORMED

##### A. RESPONSIBILITIES OF SSA

1. SSA agrees to provide the Employer (through the E-Verify Employer Agent) with available information that will allow the Employer to confirm the accuracy of Social Security Numbers provided by all employees verified under this MOU and the employment authorization of U.S. citizens.
2. SSA agrees to provide the Employer and E-Verify Employer Agent appropriate assistance with operational problems that may arise during the Employer's participation in E-Verify. SSA agrees to provide the E-Verify Employer Agent with names, titles, addresses, and telephone numbers of SSA representatives to be contacted during the E-Verify process.



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3. SSA agrees to safeguard the information provided by the Employer through the E-Verify program procedures, and to limit access to such information, as is appropriate by law, to individuals responsible for the verification of Social Security Numbers and for evaluation of E-Verify or such other persons or entities who may be authorized by SSA as governed by the Privacy Act (5 U.S.C. § 552a), the Social Security Act (42 U.S.C. 1306(a)), and SSA regulations (20 CFR Part 401).

4. SSA agrees to provide a means of automated verification that is designed (in conjunction with DHS's automated system if necessary) to provide confirmation or tentative nonconfirmation of U.S. citizens' employment eligibility within 3 Federal Government work days of the initial inquiry.

5. SSA agrees to provide a means of secondary verification (including updating SSA records as may be necessary) for employees who contest SSA tentative nonconfirmations that is designed to provide final confirmation or nonconfirmation of U.S. citizens' employment eligibility and accuracy of SSA records for both citizens and non-citizens within 10 Federal Government work days of the date of referral to SSA, unless SSA determines that more than 10 days may be necessary. In such cases, SSA will provide additional verification instructions.

## **B. RESPONSIBILITIES OF DHS**

1. After SSA verifies the accuracy of SSA records for employees through E-Verify, DHS agrees to provide the Employer (through the E-Verify Employer Agent) access to selected data from DHS's database to enable the Employer (through the E-Verify Employer Agent) to conduct, to the extent authorized by this MOU:
  - Automated verification checks on employees by electronic means, and
  - Photo verification checks (when available) on employees.
2. DHS agrees to provide to the Employer and E-Verify Employer Agent appropriate assistance with operational problems that may arise during the Employer's participation in E-Verify. DHS agrees to provide the E-Verify Employer Agent names, titles, addresses, and telephone numbers of DHS representatives to be contacted during the E-Verify process.
3. DHS agrees to make available to the Employer (through the E-Verify Employer Agent), at the E-Verify Web site and on the E-Verify Web browser, instructional materials on E-Verify policies, procedures and requirements for both SSA and DHS, including restrictions on the use of E-Verify. DHS agrees to provide training materials on E-Verify.
4. DHS agrees to provide to the Employer (through the E-Verify Employer Agent) a notice, which indicates the Employer's participation in the E-Verify program. DHS also agrees to provide to the Employer (through the E-Verify Employer Agent) anti-discrimination



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notices issued by the Office of Special Counsel for Immigration-Related Unfair Employment Practices (OSC), Civil Rights Division, U.S. Department of Justice.

5. DHS agrees to issue the E-Verify Employer Agent a user identification number and password that will be used exclusively by the E-Verify Employer Agent, on behalf of the Employer, to verify information provided by employees with DHS's databases.
6. DHS agrees to safeguard the information provided to DHS by the Employer (through the E-Verify Employer Agent), and to limit access to such information to individuals responsible for the verification of employees' employment eligibility and for evaluation of the E-Verify program, or to such other persons or entities as may be authorized by applicable law. Information will be used only to verify the accuracy of Social Security Numbers and employment eligibility, to enforce the Immigration and Nationality Act (INA) and Federal criminal laws, and to administer Federal contracting requirements.
7. DHS agrees to provide a means of automated verification that is designed (in conjunction with SSA verification procedures) to provide confirmation or tentative nonconfirmation of employees' employment eligibility within 3 Federal Government workdays of the initial inquiry.
8. DHS agrees to provide a means of secondary verification (including updating DHS records as may be necessary) for employees who contest DHS tentative nonconfirmations and photo non-match tentative nonconfirmations that is designed to provide final confirmation or nonconfirmation of the employees' employment eligibility within 10 Federal Government work days of the date of referral to DHS, unless DHS determines that more than 10 days may be necessary. In such cases, DHS will provide additional verification instructions.

### **C. RESPONSIBILITIES OF THE EMPLOYER**

1. The Employer agrees to display the notices supplied by DHS (through the E-Verify Employer Agent) in a prominent place that is clearly visible to prospective employees and all employees who are to be verified through the system.
2. The Employer agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the Employer representatives to be contacted regarding E-Verify.
3. The Employer agrees to become familiar with and comply with the most recent version of the E-Verify User Manual. The Employer will obtain the E-Verify User Manual from the E-Verify Employer Agent.
4. The Employer agrees to comply with current Form I-9 procedures, with two exceptions:
  - If an employee presents a "List B" identity document, the Employer agrees to only accept "List B" documents that contain a photo. (List B documents identified in 8 C.F.R. § 274a.2(b)(1)(B)) can be presented during the Form I-9 process to establish



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identity.) If an employee objects to the photo requirement for religious reasons, the Employer should contact E-Verify at 1-888-464-4218.

- If an employee presents a DHS Form I-551 (Permanent Resident Card) or Form I-766 (Employment Authorization Document) to complete the Form I-9, the Employer agrees to make a photocopy of the document and to retain the photocopy with the employee's Form I-9. The photocopy must be of sufficient quality to allow for verification of the photo and written information. The employer will use the photocopy to verify the photo and to assist DHS with its review of photo non-matches that are contested by employees. Note that employees retain the right to present any List A, or List B and List C, documentation to complete the Form I-9. DHS may in the future designate other documents that activate the photo screening tool.
5. The Employer understands that participation in E-Verify does not exempt the Employer from the responsibility to complete, retain, and make available for inspection Forms I-9 that relate to its employees, or from other requirements of applicable regulations or laws, including the obligation to comply with the antidiscrimination requirements of section 274B of the INA with respect to Form I-9 procedures, except for the following modified requirements applicable by reason of the Employer's participation in E-Verify: (1) identity documents must have photos, as described in paragraph 4 above; (2) a rebuttable presumption is established that the Employer has not violated section 274A(a)(1)(A) of the Immigration and Nationality Act (INA) with respect to the hiring of any individual if it obtains confirmation of the identity and employment eligibility of the individual in good faith compliance with the terms and conditions of E-Verify; (3) the Employer must notify DHS if it continues to employ any employee after receiving a final nonconfirmation, and is subject to a civil money penalty between \$550 and \$1,100 for each failure to notify DHS of continued employment following a final nonconfirmation; (4) the Employer is subject to a rebuttable presumption that it has knowingly employed an unauthorized alien in violation of section 274A(a)(1)(A) if the Employer continues to employ an employee after receiving a final nonconfirmation; and (5) no person or entity participating in E-Verify is civilly or criminally liable under any law for any action taken in good faith based on information provided through the confirmation system. DHS reserves the right to conduct Form I-9 and E-Verify system compliance inspections during the course of E-Verify, as well as to conduct any other enforcement activity authorized by law.
  6. The Employer agrees to initiate E-Verify verification procedures (through the E-Verify Employer Agent), for new employees within 3 Employer business days after each employee has been hired (but after both sections 1 and 2 of the Form I-9 have been completed), and to complete as many (but only as many) steps of the E-Verify process as are necessary according to the E-Verify User Manual, or in the case of Federal contractors with the FAR E-Verify clause, the E-Verify User Manual for Federal Contractors. The Employer is prohibited from initiating verification procedures before the employee has been hired and the Form I-9 completed. If the automated system to be queried is temporarily unavailable, the 3-day time period is extended until it is again operational in order to accommodate the Employer's attempting, in good faith, to make inquiries during the period of unavailability. Employers may initiate verification, through the E-Verify Employer Agent, by notating the Form I-9 in circumstances where the





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employee has applied for a Social Security Number (SSN) from the SSA and is waiting to receive the SSN, provided that the Employer (through the E-Verify Employer Agent) performs an E-Verify employment verification query using the employee's SSN as soon as the SSN becomes available.

7. The Employer agrees not to use E-Verify procedures for pre-employment screening of job applicants, in support of any unlawful employment practice, or for any other use not authorized by this MOU. Employers must use E-Verify (through its E-Verify Employer Agent) for all new employees, unless an Employer is a Federal contractor that qualifies for the exceptions described in Article II.D.1.c. Except as provided in Article II.D, the Employer will not verify selectively and will not verify employees hired before the effective date of this MOU. The Employer understands that if the Employer uses the E-Verify system for any purpose other than as authorized by this MOU, the Employer may be subject to appropriate legal action and termination of its access to SSA and DHS information pursuant to this MOU.
8. The Employer (through its E-Verify Employer Agent) agrees to follow appropriate procedures (see Article III. below) regarding tentative nonconfirmations, including notifying employees in private of the finding and providing them written notice of the findings, providing written referral instructions to employees, allowing employees to contest the finding, and not taking adverse action against employees if they choose to contest the finding. Further, when employees contest a tentative nonconfirmation based upon a photo non-match, the Employer is required to take affirmative steps (see Article III.B. below) to contact DHS with information necessary to resolve the challenge.
9. The Employer agrees not to take any adverse action against an employee based upon the employee's perceived employment eligibility status while SSA or DHS is processing the verification request unless the Employer obtains knowledge (as defined in 8 C.F.R. § 274a.1(l)) that the employee is not work authorized. The Employer understands that an initial inability of the SSA or DHS automated verification system to verify work authorization, a tentative nonconfirmation, a case in continuance (indicating the need for additional time for the government to resolve a case), or the finding of a photo non-match, does not establish, and should not be interpreted as evidence, that the employee is not work authorized. In any of the cases listed above, the employee must be provided a full and fair opportunity to contest the finding, and if he or she does so, the employee may not be terminated or suffer any adverse employment consequences based upon the employee's perceived employment eligibility status (including denying, reducing, or extending work hours, delaying or preventing training, requiring an employee to work in poorer conditions, refusing to assign the employee to a Federal contract or other assignment, or otherwise subjecting an employee to any assumption that he or she is unauthorized to work, or otherwise mistreating an employee) until and unless secondary verification by SSA or DHS has been completed and a final nonconfirmation has been issued. If the employee does not choose to contest a tentative nonconfirmation or a photo non-match or if a secondary verification is completed and a final nonconfirmation is issued, then the Employer can find the employee is not work authorized and terminate the employee's employment. Employers or employees with questions about a final



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nonconfirmation may call E-Verify at 1-888-464-4218 or OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

10. The Employer agrees to comply with Title VII of the Civil Rights Act of 1964 and section 274B of the INA, as applicable, by not discriminating unlawfully against any individual in hiring, firing, or recruitment or referral practices because of his or her national origin or, in the case of a protected individual as defined in section 274B(a)(3) of the INA, because of his or her citizenship status. The Employer understands that such illegal practices can include selective verification or use of E-Verify except as provided in part D below, or discharging or refusing to hire employees because they appear or sound "foreign" or have received tentative nonconfirmations. The Employer further understands that any violation of the unfair immigration-related employment practices provisions in section 274B of the INA could subject the Employer to civil penalties, back pay awards, and other sanctions, and violations of Title VII could subject the Employer to back pay awards, compensatory and punitive damages. Violations of either section 274B of the INA or Title VII may also lead to the termination of its participation in E-Verify. If the Employer has any questions relating to the anti-discrimination provision, it should contact OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).
11. The Employer agrees to record the case verification number on the employee's Form I-9 or to print the screen containing the case verification number and attach it to the employee's Form I-9.
12. The Employer agrees that it will use the information it receives from SSA or DHS (through the E-Verify Employer Agent) pursuant to E-Verify and this MOU only to confirm the employment eligibility of employees as authorized by this MOU. The Employer agrees that it will safeguard this information, and means of access to it (such as PINS and passwords) to ensure that it is not used for any other purpose and as necessary to protect its confidentiality, including ensuring that it is not disseminated to any person other than employees of the Employer who are authorized to perform the Employer's responsibilities under this MOU, except for such dissemination as may be authorized in advance by SSA or DHS for legitimate purposes.
13. The Employer acknowledges that the information which it receives through the E-Verify Employer Agent from SSA is governed by the Privacy Act (5 U.S.C. § 552a(i)(1) and (3)) and the Social Security Act (42 U.S.C. 1306(a)), and that any person who obtains this information under false pretenses or uses it for any purpose other than as provided for in this MOU may be subject to criminal penalties.
14. The Employer agrees to cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, including by permitting DHS and SSA, upon reasonable notice, to review Forms I-9 and other employment records and to interview it and its employees regarding the Employer's use of E-Verify, and to respond in a timely and accurate manner to DHS requests for information relating to their participation in E-Verify.





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#### **D. RESPONSIBILITIES OF FEDERAL CONTRACTORS WITH THE FAR E-VERIFY CLAUSE**

1. The Employer understands that if it is a Federal contractor subject to the employment verification terms in Subpart 22.18 of the FAR it must verify the employment eligibility of any existing employee assigned to the contract and all new hires, as discussed in the Supplemental Guide for Federal Contractors. Once an employee has been verified through E-Verify by the Employer, the Employer may not reverify the employee through E-Verify.
  - a. Federal contractors with the FAR E-Verify clause agree to become familiar with and comply with the most recent versions of the E-Verify User Manual for Federal Contractors and the E-Verify Supplemental Guide for Federal Contractors.
  - b. Federal contractors with the FAR E-Verify clause agree to complete a tutorial for Federal contractors with the FAR E-Verify clause.
  - c. Federal contractors with the FAR E-Verify clause not enrolled at the time of contract award: An Employer that is not enrolled in E-Verify as a Federal contractor at the time of a contract award must enroll as a Federal contractor with the FAR E-Verify clause in E-Verify within 30 calendar days of contract award and, within 90 days of enrollment, begin to use E-Verify to initiate verification of employment eligibility of new hires of the Employer who are working in the United States, whether or not assigned to the contract. Once the Employer begins verifying new hires, such verification of new hires must be initiated within 3 business days after the date of hire. Once enrolled in E-Verify as a Federal contractor with the FAR E-Verify clause, the Employer must initiate verification of employees assigned to the contract within 90 calendar days from the time of enrollment in the system and then selecting which employees will be verified in E-Verify or within 30 days of an employee's assignment to the contract, whichever date is later.
  - d. Employer that are already enrolled in E-Verify at the time of a contract award but are not enrolled in the system as a Federal contractor with the FAR E-Verify clause: Employers enrolled in E-Verify as a Federal contractor for 90 days or more at the time of a contract award must use E-Verify to initiate verification of employment eligibility for new hires of the Employer who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire. Employers enrolled in E-Verify as other than a Federal contractor with the FAR E-Verify clause, must update E-Verify to indicate that they are a Federal contractor with the FAR E-Verify clause within 30 days after assignment to the contract. If the Employer is enrolled in E-Verify for 90 calendar days or less at the time of contract award, the Employer must, within 90 days of enrollment, begin to use E-Verify to initiate verification of new hires of the contractor who are working in the United States, whether or not assigned to the contract. Such verification of new hires must be initiated within 3 business days



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after the date of hire. An Employer enrolled as a Federal contractor with the FAR E-Verify clause in E-Verify must initiate verification of each employee assigned to the contract within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever is later.

- e. Institutions of higher education, State, local and tribal governments and sureties: Federal contractors with the FAR E-Verify clause that are institutions of higher education (as defined at 20 U.S.C. 1001(a)), State or local governments, governments of Federally recognized Indian tribes, or sureties performing under a takeover agreement entered into with a Federal agency pursuant to a performance bond may choose to only verify new and existing employees assigned to the Federal contract. Such Federal contractors with the FAR E-Verify clause may, however, elect to verify all new hires, and/or all existing employees hired after November 6, 1986. The provisions of Article II, part D, paragraphs 1.a and 1.b of this MOU providing timeframes for initiating employment verification of employees assigned to a contract apply to such institutions of higher education, State, local, tribal governments, and sureties.
- f. Verification of all employees: Upon enrollment, Employers who are Federal contractors with the FAR E-Verify clause may elect to verify employment eligibility of all existing employees working in the United States who were hired after November 6, 1986, instead of verifying only new employees and those existing employees assigned to a covered Federal contract. After enrollment, Employers must elect to do so only in the manner designated by DHS and initiate E-Verify verification of all existing employees within 180 days after the election.
- g. Form I-9 procedures for existing employees of Federal contractors with the FAR E-Verify clause: Federal contractors with the FAR E-Verify clause (through their E-Verify Employer Agent) may choose to complete new Forms I-9 for all existing employees other than those that are completely exempt from this process. Federal contractors with the FAR E-Verify clause may also update previously completed Forms I-9 to initiate E-Verify verification of existing employees who are not completely exempt as long as that Form I-9 is complete (including the SSN), complies with Article II.C.4, the employee's work authorization has not expired, and the Employer has reviewed the information reflected in the Form I-9 either in person or in communications with the employee to ensure that the employee's stated basis in section 1 of the Form I-9 for work authorization has not changed (including, but not limited to, a lawful permanent resident alien having become a naturalized U.S. citizen). If the Employer is unable to determine that the Form I-9 complies with Article II.C.4, if the employee's basis for work authorization as attested in section 1 has expired or changed, or if the Form I-9 contains no SSN or is otherwise incomplete, the Employer shall complete a new I-9 consistent with Article II.C.4, or update the previous I-9 to provide the necessary information. If section 1 of the Form I-9 is otherwise valid and up-to-date and the form otherwise complies with Article II.C.4, but reflects documentation (such as a U.S. passport or Form I-551) that expired subsequent



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to completion of the Form I-9, the Employer shall not require the production of additional documentation, or use the photo screening tool described in Article II.C.4, subject to any additional or superseding instructions that may be provided on this subject in the Supplemental Guide for Federal Contractors. Nothing in this section shall be construed to require a second verification using E-Verify of any assigned employee who has previously been verified as a newly hired employee under this MOU, or to authorize verification of any existing employee by any Employer that is not a Federal contractor with the FAR E-Verify clause.

2. The Employer understands that if it is a Federal contractor with the FAR E-Verify clause, its compliance with this MOU is a performance requirement under the terms of the Federal contract or subcontract, and the Employer consents to the release of information relating to compliance with its verification responsibilities under this MOU to contracting officers or other officials authorized to review the Employer's compliance with Federal contracting requirements.

#### **E. RESPONSIBILITIES OF THE E-VERIFY EMPLOYER AGENT**

1. The E-Verify Employer Agent agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the E-Verify Employer Agent representatives who will be accessing information under E-Verify.
2. The E-Verify Employer Agent agrees to become familiar with and comply with the E-Verify User Manual and provide a copy of the manual to the Employer so that the Employer can become familiar with and comply with E-Verify policy and procedures.
3. The E-Verify Employer Agent agrees that any E-Verify Employer Agent Representative who will perform employment verification queries will complete the E-Verify Tutorial before that individual initiates any queries.
  - a. The E-Verify Employer Agent agrees that all E-Verify Employer Agent representatives will take the refresher tutorials initiated by the E-Verify program as a condition of continued use of E-Verify, including any tutorials for Federal contractors if the Employer is a Federal contractor.
  - b. Failure to complete a refresher tutorial will prevent the E-Verify Employer Agent and Employer from continued use of the program.
4. The E-Verify Employer Agent agrees to obtain the necessary equipment to utilize E-Verify.
5. The E-Verify Employer Agent agrees to provide the Employer with the notices described in Article II.B.4 above.
6. The E-Verify Employer Agent agrees to initiate E-Verify procedures on behalf of the Employer in accordance with the E-Verify Manual and E-Verify Web-Based Tutorial. The E-Verify Employer Agent will query the automated system using information provided by the Employer and will immediately communicate the response back to the Employer. If the automated system to be queried is temporarily unavailable, the 3-day



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time period is extended until it is again operational in order to accommodate the E-Verify Employer Agent's attempting, in good faith, to make inquiries on behalf of the Employer during the period of unavailability. In all cases, the E-Verify Employer Agent will use the SSA verification procedures first, and will use DHS verification procedures only as directed by the SSA verification response.

7. The E-Verify Employer Agent agrees to cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, including by permitting DHS and SSA, upon reasonable notice, to review Forms I-9 and other employment records and to interview it and its employees regarding the use of E-Verify, and to respond in a timely and accurate manner to DHS requests for information relating to their participation in E-Verify.

### **ARTICLE III**

#### **REFERRAL OF INDIVIDUALS TO SSA AND DHS**

##### **A. REFERRAL TO SSA**

1. If the Employer receives a tentative nonconfirmation issued by SSA, the Employer must print the tentative nonconfirmation notice as directed by the automated system and provide it to the employee so that the employee may determine whether he or she will contest the tentative nonconfirmation.
2. The Employer will refer employees to SSA field offices only as directed by the automated system based on a tentative nonconfirmation, and only after the Employer records the case verification number, reviews the input to detect any transaction errors, and determines that the employee contests the tentative nonconfirmation. The Employer (through the E-Verify Employer Agent), will transmit the Social Security Number to SSA for verification again if this review indicates a need to do so. The Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible after the Employer receives it.
3. If the employee contests an SSA tentative nonconfirmation, the Employer will provide the employee with a system-generated referral letter and instruct the employee to visit an SSA office within 8 Federal Government work days. SSA will electronically transmit the result of the referral to the Employer (through the E-Verify Employer Agent) within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary. The Employer agrees to check the E-Verify system regularly for case updates.
4. The Employer agrees not to ask the employee to obtain a printout from the Social Security Number database (the Numident) or other written verification of the Social Security Number from the SSA.

##### **B. REFERRAL TO DHS**



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1. If the Employer receives a tentative nonconfirmation issued by DHS, the Employer must print the tentative nonconfirmation notice as directed by the automated system and provide it to the employee so that the employee may determine whether he or she will contest the tentative nonconfirmation.
2. If the Employer finds a photo non-match for an employee who provides a document for which the automated system has transmitted a photo, the employer must print the photo non-match tentative nonconfirmation notice as directed by the automated system and provide it to the employee so that the employee may determine whether he or she will contest the finding.
3. The Employer agrees to refer individuals to DHS only when the employee chooses to contest a tentative nonconfirmation received from DHS automated verification process or when the Employer issues a tentative nonconfirmation based upon a photo non-match. The Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible after the Employer receives it.
4. If the employee contests a tentative nonconfirmation issued by DHS, the Employer will provide the employee with a referral letter and instruct the employee to contact DHS through its toll-free hotline (as found on the referral letter) within 8 Federal Government work days.
5. If the employee contests a tentative nonconfirmation based upon a photo non-match, the Employer will provide the employee with a referral letter to DHS. DHS will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary. The Employer agrees to check the E-Verify system regularly for case updates.
6. The Employer agrees that if an employee contests a tentative nonconfirmation based upon a photo non-match, the Employer (or the E-Verify Employer Agent) will send a copy of the employee's Form I-551 or Form I-766 to DHS for review by:
  - Scanning and uploading the document, or
  - Sending a photocopy of the document by and express mail account (paid for at employer expense).
7. If the Employer (through the E-Verify Employer Agent) determines that there is a photo non-match when comparing the photocopied List B document described in Article II.C.4 with the image generated in E-Verify, the Employer (through the E-Verify Employer Agent) must forward the employee's documentation to DHS using one of the means described in the preceding paragraph, and allow DHS to resolve the case.

#### **ARTICLE IV**

#### **SERVICE PROVISIONS**





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The SSA and DHS will not charge the Employer or the E-Verify Employer Agent for verification services performed under this MOU. DHS is not responsible for providing the equipment needed to make inquiries. A personal computer with Internet access is needed to access the E-Verify System.

## **ARTICLE V**

### **PARTIES**

- A. This MOU is effective upon the signature of all parties, and shall continue in effect for as long as the SSA and DHS conduct the E-Verify program unless modified in writing by the mutual consent of all parties, or terminated by any party upon 30 days prior written notice to the others. Any and all system enhancements to the E-Verify program by DHS or SSA, including but not limited to the E-Verify checking against additional data sources and instituting new verification procedures, will be covered under this MOU and will not cause the need for a supplemental MOU that outlines these changes. DHS agrees to train employers on all changes made to E-Verify through the use of mandatory refresher tutorials and updates to the E-Verify User Manual, the E-Verify User Manual for Federal Contractors, or the E-Verify Supplemental Guide for Federal Contractors. Even without changes to E-Verify, DHS reserves the right to require employers to take mandatory refresher tutorials. An Employer that is a Federal contractor with the FAR E-Verify clause may terminate this MOU when the Federal contract that requires its participation in E-Verify is terminated or completed. In such a circumstance, the Federal contractor with the FAR E-Verify clause must provide written notice to DHS. If an Employer that is a Federal contractor with the FAR E-Verify clause fails to provide such notice, that Employer will remain a participant in the E-Verify program, will remain bound by the terms of this MOU that apply to participants that are not Federal contractors with the FAR E-Verify clause, and will be required to use the E-Verify procedures to verify the employment eligibility of all newly hired employees.
- B. Notwithstanding Article V, part A of this MOU, DHS may terminate access to E-Verify if it is deemed necessary because of the requirements of law or policy, or upon a determination by SSA or DHS that there has been a breach of system integrity or security by the E-Verify Employer Agent or the Employer, or a failure on the part of either to comply with established procedures or legal requirements. The Employer understands that if it is a Federal contractor with the FAR E-Verify clause, termination of this MOU by any party for any reason may negatively affect the Employer's performance of its contractual responsibilities.
- C. Some or all SSA and DHS responsibilities under this MOU may be performed by contractor(s), and SSA and DHS may adjust verification responsibilities between each other as they may determine necessary. By separate agreement with DHS, SSA has agreed to perform its responsibilities as described in this MOU.
- D. Nothing in this MOU is intended, or should be construed, to create any right or benefit, substantive or procedural, enforceable at law by any third party against the United States, its agencies, officers, or employees, or against the E-Verify Employer Agent, the Employer, or their agents, officers, or employees.





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- E. Each party shall be solely responsible for defending any claim or action against it arising out of or related to E-Verify or this MOU, whether civil or criminal, and for any liability wherefrom, including (but not limited to) any dispute between the E-Verify Employer Agent or the Employer and any other person or entity regarding the applicability of Section 403(d) of IIRIRA to any action taken or allegedly taken by the E-Verify Employer Agent or the Employer.
- F. Participation in E-Verify is not confidential information and may be disclosed as authorized or required by law and DHS or SSA policy, including but not limited to, Congressional oversight, E-Verify publicity and media inquiries, determinations of compliance with Federal contractual requirements, and responses to inquiries under the Freedom of Information Act (FOIA).
- G. The foregoing constitutes the full agreement on this subject between DHS, the Employer and the E-Verify Employer Agent.

**SAK Construction** (Employer) hereby designates and appoints **General Information Services, Inc.** (E-Verify Employer Agent), including its officers and employees, as the E-Verify Employer Agent for the purpose of carrying out **SAK Construction** (Employer) responsibilities under the MOU between the Employer, the E-Verify Employer Agent, and DHS.



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The individuals whose signatures appear below represent that they are authorized to enter into this MOU on behalf of the Employer, the E-Verify Employer Agent and DHS respectively.

If you have any questions, contact E-Verify at 1-888-464-4218.

**Approved by:**

Employer SAK Construction

\_\_\_\_\_  
Name (Please Type or Print)

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**E-Verify Employer Agent General Information Services, Inc.**

**Rena Jarvis**

\_\_\_\_\_  
Name (Please Type or Print)

\_\_\_\_\_  
Title

*Electronically Signed*

\_\_\_\_\_  
Signature

**06/29/2012**

\_\_\_\_\_  
Date

**Department of Homeland Security – Verification Division**

**USCIS Verification Division**

\_\_\_\_\_  
Name (Please Type or Print)

\_\_\_\_\_  
Title

*Electronically Signed*

\_\_\_\_\_  
Signature

**06/29/2012**

\_\_\_\_\_  
Date

**Information Required  
For the E-Verify E-Verify Employer Agent Program**

**Information relating to your Company:**

Company Name: SAK Construction



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**Company Facility Address:**864 Hoff Rd

OFallon, MO 63366

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**County or Parish:**SAINT CHARLES

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**Employer Identification**  
**Number:** 204193988

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**North American Industry**  
**Classification Systems**  
**Code:** 237

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**Administrator:**

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**Number of Employees:** 100 to 499

## SECTION 00400

## SUPPLEMENTS TO CONTRACTOR'S QUALIFICATION STATEMENT

**Note:** Failure to complete this page in full, and to provide valid, existing licenses and insurance, as required, will render this bid non-responsive and result in the rejection of this bid.

## PART 1 - BIDDER'S QUALIFICATIONS

A. The required names and addresses of all persons interested in the foregoing Bid, as Principals, are as follows:

Thomas Kalishman, Chairman; 7602 Obsidian Rd, Teton Village, WY 83025  
 James Byrd, Senior Project Manager; 110 Rolling Spring Dr, Aledo, TX 76008  
 Robert Affholder, Vice Chairman; 4657 West Little Dove Pl, Marana, AZ 85653  
 Jerome P Shaw Jr, President; 449 Shetland Valley Ct, Chesterfield, MO 63005

## B. Bidder's Reference List - Most Recent Bids Awarded

The Contractor shall submit five municipal references which the Owner can verify.

All references shall pertain to actual work performed by the Bidder (subcontractor references are not applicable) on sanitary sewer projects. Reference work shall have been performed with the manner of application specified herein. Submit sufficient references on a project by project basis. Reference information shall be submitted using the form below only. Reference or supplemental information submitted separately, or any information provided that is not shown below, will be disregarded.

All references will be treated as the Bidder's confidential business information.

Previous work for the Owner may be used as references. Complete each item for all references in the space provided below (type or print legibly):

(1) Owner/Agency: North Charleston Sewer District

Address: 7225 Stall Road

Address: \_\_\_\_\_

City, State, Zip: North Charleston, SC 29419

Contact: James Reigant

Phone: (843) 747-5889

Project Name: 3 Year CIPP Sanitary Sewer Rehabilitation Phase II

Project Description: CIPP Rehabilitation

- Anticipated ~~Installed~~ Length of Pipe per Each Pipe Size:

300 LF of 48"; 10,975 LF of 54"

(2) **Owner/Agency:** City of Pinellas Park  
**Address:** 8000-60th Street North  
**Address:** \_\_\_\_\_  
**City, State, Zip:** Pinellas Park, FL 34665  
**Contact:** Jim Davis  
**Phone:** (727) 541-0771

**Project Name:** Sanitary Sewers Rehabilitation  
**Project Description:** CIPP Rehabilitation

Anticipated **Installed Length of Pipe per Each Pipe Size:**  
16,000 LF of 8"

(3) **Owner/Agency:** City of Sarasota  
**Address:** 1565 First Street  
**Address:** \_\_\_\_\_  
**City, State, Zip:** Sarasota, FL 34236  
**Contact:** Mary Tucker  
**Phone:** (941) 954-4151

**Project Name:** Sewer Mainline Cleaning/Lining Services  
**Project Description:** Sewer Rehabilitation

Anticipated **Installed Length of Pipe per Each Pipe Size:**  
40,000 LF of 8"; 4m526 LF of 10"; 2,000 LF of 15"; 1,000 LF of 18"

(4) **Owner/Agency:** Metropolitan St. Louis Sewer District  
**Address:** 2350 Market Street  
**Address:** \_\_\_\_\_  
**City, State, Zip:** St. Louis, MO 63103  
**Contact:** Jeff Smith  
**Phone:** (314) 768-2776

**Project Name:** Glendale Section D Sanitary Relief Phase IV  
**Project Description:** CIPP Rehabilitation

Anticipated **Installed Length of Pipe per Each Pipe Size:** 327 LF of 6"; 64,701 LF of 8";  
4,295 LF of 10"; 1,753 LF of 12"; 1,511 LF of 15"; 1,431 LF of 18"; 72 LF of 21";  
1,149 LF of 24"; 288 LF of 27"; 736 LF of 30"; 150 LF of 36"

(5) **Owner/Agency:** Paducah-McCracken Joint Sewer Agency  
**Address:** 621 Northview St.  
**Address:** \_\_\_\_\_  
**City, State, Zip:** Paducah, KY 42001  
**Contact:** John Hodges  
**Phone:** (270) 575-0056

**Project Name:** Contract No. 9 Wastewater Collection System Rehabilitation  
**Project Description:** Sewer Rehabilitation

Anticipated **Installed Length of Pipe per Each Pipe Size:**  
14,256 LF of 8"; 1,472 LF of 10"; 200 LF of 12"; 1,208 LF of 15"



## C. Bidder's Reference List - Optional Additional References

The Contractor may submit additional municipal references which the Owner can verify. All references shall pertain to actual work performed by the Bidder (subcontractor references are not applicable). Reference work shall have been performed with the manner of application specified herein. Submit references on a project-by-project basis. Reference or supplemental information submitted separately, or any information provided that is not shown below, will be disregarded.

All references will be treated as the Bidder's confidential business information. Previous work for the Owner may be used as references. Complete each item for all references in the space provided below (type or print legibly):

- (1) Owner/Agency: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
  
 Project Name: \_\_\_\_\_  
 Project Description: \_\_\_\_\_  
 \_\_\_\_\_  
 Installed Length of Pipe per Each Pipe Size: \_\_\_\_\_  
 \_\_\_\_\_
- (2) Owner/Agency: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
  
 Project Name: \_\_\_\_\_  
 Project Description: \_\_\_\_\_  
 \_\_\_\_\_  
 Installed Length of Pipe per Each Pipe Size: \_\_\_\_\_  
 \_\_\_\_\_
- (3) Owner/Agency: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
  
 Project Name: \_\_\_\_\_  
 Project Description: \_\_\_\_\_  
 \_\_\_\_\_  
 Installed Length of Pipe per Each Pipe Size: \_\_\_\_\_  
 \_\_\_\_\_

(4) Owner/Agency: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Phone: \_\_\_\_\_

Project Name: \_\_\_\_\_  
Project Description: \_\_\_\_\_

Installed Length of Pipe per Each Pipe Size: \_\_\_\_\_

(5) Owner/Agency: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Phone: \_\_\_\_\_

Project Name: \_\_\_\_\_  
Project Description: \_\_\_\_\_

Installed Length of Pipe per Each Pipe Size: \_\_\_\_\_

D. Bidder's Reference List - Project Experience Record

The Contractor shall submit municipal references which the Owner can verify that demonstrate the following:

1. The Bidder has conducted a minimum of 150,000 linear feet of CIPP sewer rehabilitation, of the same products and using the same methods bid in this project, in the United States, with a minimum of 5,000 linear feet in diameters 15" or large within the last five years.
2. The Bidder has been operating as a company, under the same name, for a minimum of five (5) years while being actively involved in the direct field installation of the same products and the same methods the work described in Item 1 above.
3. The Bidder's qualified superintendent has a minimum of five years supervisory field experience, completed at least three projects containing a total of 5,000 linear feet of 12" or larger pipe and completed a minimum of 250,000 linear feet of the same products and using the same methods bid in this project.
4. The Bidder is to perform the maximum amount of work in house without subcontract. Prospective bidders will be graded on their ability to perform work in-house, and their ability to fulfill the requirements set forth in Items 1-3 above (see also Supplement to General Requirements - Item 1. "General" for details).

All references shall pertain to actual work performed by the Bidder (subcontractor references are not applicable) on sanitary sewer projects. Reference work shall have been performed with the manner of application specified herein. Submit sufficient references on a project by project basis. Reference information shall be submitted using the form below only. Reference or supplemental information submitted separately, or any information provided that is not shown below, will be disregarded. Installations performed out of contractor locations and by crews not normally assigned to work in the State of Alabama will not be considered as having met the qualifying requirements.

All references will be treated as the Bidder's confidential business information. Previous work for the Owner may be used as references. Complete each item for all references in the space provided below (type or print legibly):

(Project Experience Record - This page may be duplicated, if required)

**Owner/Agency:** Metropolitan St. Louis Sewer District**Address:** 2350 Market Street**Address:****City, State, Zip:** St. Louis, MO 63103**Contact:** Ron Moore**Phone:** (314) 768-6388**Project Name:** Infrastructure Repairs FY2009 Ph. II**Superintendent:** Jason Laney/Jeff Hirtz**Project Description:** CIPP Rehabilitation**Installed Length of Pipe per Each Pipe Size:**3,651 LF of 6"; 192,338 LF of 8"; 10,964 LF of 10"; 7,155 LF of 12"; 5,914 LF of 15";  
3,759 LF of 18"; 402 LF of 21"; 271 LF of 24"; 529 LF of 30"; 104 LF of 42"**Owner/Agency:** Paducah-McCracken Joint Sewer Agency**Address:** 621 Northview Street**Address:****City, State, Zip:** Paducah, KY 42001**Contact:** John Hodges**Phone:** (270) 575-0056**Project Name:** Contract No. 6 Wastewater Collection System Rehabilitation**Superintendent:** Chad Rusher**Project Description:** CIPP Rehabilitation**Installed Length of Pipe per Each Pipe Size:**

1,230 LF of 6"; 27,066 LF of 8"; 2,217 LF of 10"; 400 LF of 12"; 340 LF of 21"

**Owner/Agency:** City of Montgomery Water Works & Sanitary Sewer Board**Address:** 22 Bibb Street**Address:****City, State, Zip:** Montgomery, AL 36104**Contact:** Chris Norris**Phone:** (334) 206-1600**Project Name:** 2011 Upper Catoma Interceptor**Superintendent:** Jimmy Witt**Project Description:** CIPP Rehabilitation**Installed Length of Pipe per Each Pipe Size:**

24,999 LF of 30"

- END OF SECTION -

## SECTION 01015

### WORK SEQUENCE

#### PART 1 - GENERAL

##### 1.01 WORK INCLUDED

A. The Contractor shall submit to the Engineer for review and acceptance a complete schedule of the proposed sequence of construction operations prior to commencement of work. In order to provide a definitive basis for determining job progress, the Contractor shall provide a construction schedule of the Critical Path Method (CPM) type for monitoring the project. However, the Engineer will not accept a construction schedule that fails to utilize the entire time allocated for construction of the project. This schedule requirement in no way prevents the Contractor from completing the project in a shorter time frame than scheduled. The construction schedule shall be submitted and approved by the Owner prior to the submittal of the first partial payment request. A revised construction schedule shall be submitted with every subsequent partial payment request. This revised schedule must be approved prior to payment.

B. The Contractor shall observe the following:

1. The Owner and the Engineer shall be notified 48 hours in advance of work to be performed which will take any part of an existing utility out of service. This work shall be scheduled such that service is disrupted for as short a time as possible.
2. The Contractor shall provide temporary facilities where necessary to accommodate the maintenance of dependable service by the affected utilities.
3. This project involves work within the City of Huntsville's wastewater collection system. Construction work shall be restricted to the area shown on the Drawings. All underground utilities shall be marked in the field before excavation begins.
4. Work shall commence in such a fashion as to provide full capacity of the wastewater collection system at all times. The Contractor's construction schedule presented for approval shall reflect this requirement.
5. Upon commencement of pipe bursting activities, the Contractor shall complete pipe bursting activities, backfill and grade all disturbed areas, and provide final landscaping prior to leaving work site or demobilizing from project. If settling occurs, the Contractor shall immediately provide sufficient backfill and landscaping as requested. Landscaping or irrigations issues not addressed within 48 hours after Owner Representative notification to the contractor shall be completed by COH or COH representative. Cost incurred shall be removed from the project unit items.

- END OF SECTION -



**SECTION 01025**

**MEASUREMENT AND PAYMENT**

**PART 1 - GENERAL**

**1.01 WORK INCLUDED**

The Contractor shall furnish all necessary labor, machinery, tools, apparatus, equipment, materials, equipment, service, other necessary supplies and perform all work including all excavation and backfilling (without additional compensation, except where specifically set out in these specifications) at the unit price base bid price for the work described in Part 4 of this Section.

**1.02 COMPUTATION OF QUANTITIES**

A. For estimating quantities in which the computation of areas by geometric methods would be comparatively laborious, it is agreed that the planimeter shall be considered an instrument of precision adapted to the measurement of such areas.

B. It is further agreed that the computation of the volume of prismsoids shall be by the method of average end area.

C. All excavation on this Project is bid as unclassified and any rock removed in the progress of the project will not increase the cost to the Owner.

D. Dewatering is not a separate pay item.

**1.03 PROGRESS AND PAYMENTS SCHEDULES**

A. Within fifteen (15) days after the date of formal execution of the AGREEMENT, the Contractor shall prepare and submit to the Engineer, for approval, a construction schedule of the Critical Path Method (CPM) type which depicts the Contractor's plan for completing the contract requirements and show work placement in dollars versus contract time. The Engineer must approve the Contractor's construction schedule before any payments will be made on this contract.

B. Within fifteen (15) days after the date of formal execution of the AGREEMENT, the Contractor shall prepare and submit to the Engineer, for approval, a periodic estimate which depicts the Contractor's cost for completing the contract requirements and show by major unit of the project work, the Contractor's dollar value for the material and the labor (two separate amounts) to be used as a basis for the periodic payments. The Engineer must approve the Contractor's periodic estimate before any payments will be made on this contract.

C. The Engineer's decision as to sufficiency and completeness of the Contractor's construction schedule and periodic estimate will be final.

D. The Contractor must make current, to the satisfaction of the Engineer, the construction schedule and periodic estimate each time he requests a payment on this contract.

E. The Contractor's construction schedule and periodic estimate must be maintained at the construction site available for inspection and shall be revised to incorporate approved change orders as they occur.

F. When the Contractor requests a payment on this contract, it must be

on the approved periodic estimate and be current. Further, the Contractor shall submit the current periodic estimate and construction schedule (both updated and revised) for the Engineer's review and approval before the Owner makes monthly payments. The Contractor shall submit five (5) current copies of each (periodic estimate and construction schedule) when requesting payment.

#### **1.04 CONDITIONS FOR PAYMENT**

A. The Owner will make payments for acceptable work in place and materials properly stored on-site. The value of payment shall be as established on the approved construction schedule and periodic estimate; EXCEPT the Owner will retain five percent (5%) of the work in place and a percentage as hereinafter listed for items properly stored or untested.

B. No payment will be made for stored materials unless a proper invoice from the supplier is attached to the pay request. Further, no item whose value is less than \$1,000.00 will be considered as stored materials for pay purposes.

C. Payment for pipeline items shall be limited to seventy-five percent (75%) of the installed quantity until the pipeline items installed have been tested and accepted by the Engineer. Acceptance by the Engineer is contingent upon the review of post-installation television inspection video and any other project documentation required by these Specifications. Payment for pipeline items shall be limited to ninety percent (90%) of the installed quantity until final clean-up and restoration.

H. The Owner may reduce the percent of retainage once the project has achieved satisfactory progress and is at the fifty percent (50%) mark. If the percent retainage is reduced, the dollar amount of retainage for work-in-place will not be reduced but will remain constant following the fifty percent (50%) constructed status. The retainage on the equipment items shall be determined as defined hereinbefore.

I. Additionally, the Owner may reinstate the retainage to a full five percent (5%) of the scheduled value of work-in-place and material items should the Owner, at its discretion, determine that the Contractor is not making satisfactory progress or there is other specific cause for such withholding.

#### **1.05 CLAIMS FOR EXTRA WORK**

A. If the Contractor claims that any instructions by Drawings or otherwise involve extra cost, he shall give the Engineer written notice of said claim within seven (7) days after the receipt of such instructions, and in any event before proceeding to execute the work, stating clearly and in detail the basis of his claim or claims. No such claim shall be valid unless so made.

B. Claims for additional compensation for extra work, due to alleged errors in spot elevations, contour lines, or bench marks, will not be recognized unless accompanied by certified survey data, made prior to the time the original ground was disturbed, clearly showing that errors exist which resulted, or would result, in handling more material, or performing more work than would reasonably be estimated from the Drawings and topographical maps issued.

C. Any discrepancies which may be discovered between actual conditions and those represented by the topographical maps and Drawings shall at once be reported to the Engineer, and work shall not proceed, except at the Contractor's risk, until written instructions have been received by him from the Engineer.

D. If, on the basis of the available evidence, the Engineer determines that an adjustment of the Contract Price or time is justifiable, the procedure

shall then be as provided herein for "Changes in the Work".

E. By execution of this Contract, the Contractor warrants that he has visited the site of the proposed work and fully acquainted himself with the conditions there existing relating to construction and labor, and that he fully understands the facilities, difficulties, and restrictions attending the execution of the work under this Contract. The Contractor further warrants that he has thoroughly examined and is familiar with the Drawings, Specifications and all other documents comprising the Contract. The Contractor further warrants that by execution of this Contract his failure when he was bidding on this Contract to receive or examine any form, instrument or document, or to visit the site and acquaint himself with conditions there existing, in no way relieves him from any obligation under the Contract, and the Contractor agrees that the Owner shall be justified in rejecting any claim based on facts regarding which he should have been on notice as a result thereof.

#### **1.06 DETERMINATION OF THE VALUE OF EXTRA (ADDITIONAL) OR OMITTED WORK**

A. The value of extra (additional) or omitted work shall be determined in one or more of the following ways:

1. On the basis of the actual cost of all the items of labor (including on-the-job supervision), materials, and use of equipment, plus a maximum 15 percent for added work or a minimum 15 percent for deleted work which shall cover the Contractor's general supervision, overhead and profit. In case of subcontracts, the 15 percent (maximum for added work and minimum for deleted work) is interpreted to mean the subcontractor's supervision, overhead and profit, and an additional 5 percent (maximum for added work and minimum for deleted work) may then be added to such costs to cover the General Contractor's supervision, overhead and profit. The cost of labor shall include required insurance, taxes and fringe benefits. Equipment costs shall be based on current rental rates in the areas where the work is being performed but, in no case shall such costs be greater than the current rates published by the Associated Equipment Distributors, Chicago, Illinois.
2. By estimate and acceptance in a lump sum.
3. By unit prices named in the Contract or subsequently agreed upon.

B. Provided, however, that the cost or estimated cost of all extra (additional) work shall be determined in advance of authorization by the Engineer and approved by the Owner.

C. All extra (additional) work shall be executed under the conditions of the original Contract. Any claim for extension of time shall be adjusted according to the proportionate increase or decrease in the final total cost of the work unless negotiated on another basis.

D. Except for over-runs in contract unit price items, no extra (additional) work shall be done except upon a written Change Order from the Engineer, and no claim on the part of the Contractor for pay for extra (additional) work shall be recognized unless so ordered in writing by the Engineer.

E. All excavation shall be bid as unclassified and rock removal shall be at no additional cost to the Owner.

**PART 2 - PRODUCTS (Not Used)****PART 3 - EXECUTION (Not Used)****PART 4 - PAYMENT****4.01 MEASUREMENT**

The quantities for payment for each line section included in this project and under this contract shall be as shown on the Plans or in the Owner's geographic information system (GIS) database. If discrepancies are found between lengths shown on the Plans and the actual length of pipe installed, the Contractor shall notify the Engineer immediately. Each discrepancy found shall be measured along the centerline of the pipe, verified by the Engineer, and approved by the Owner before payment will be allowed. If the project is modified by the addition or deletion of sewer lines to be pipe burst, the quantities of such lines, either added or deleted, shall be as shown on the Plans or in the Owner's GIS database.

**4.02 PAYMENT ITEMS**

A. The pay items listed below refer to the project pay items - Attachment A1: Bid Quantities, and are the only pay item under the base bid for this contract.

1. Cured-In-Place Pipe (CIPP) (8"-36") (Bid Items #2-6, Optional Bid Items #2-10)

a. Measurement and payment for CIPP, except as otherwise specified, will be based on the length of pipe in linear feet as shown on the Plans or in the Owner's GIS database, as measured from center of manhole to center of manhole.

b. Payment for CIPP will be made at the Contract unit price per linear foot for the size installed and shall be full compensation for CIPP installation and all other materials, labor, and incidental costs as specified in Section 02690. See 4.02.2 for measurement and payment for additional point repairs required.

2. Point Repair (Bid Items #7-8, Optional Bid Items #11-12)

a. Measurement and payment for point repairs, except as otherwise specified, will be based on the actual number of point repairs completed.

b. Payment for each point repair will be made at the Contract unit price per each point repair completed and shall be full compensation for all excavation, dewatering, cleaning, installation of pipe and other materials, fittings, backfill and compaction, asphalt and concrete removal and replacement, grading, landscaping, removal and replacement of fencing and mailboxes, and for all equipment and all other work necessary to complete the installation as specified.

3. Reinstate service connection (Bid Item #9, Optional Bid Item #13)

a. Measurement and payment for reinstating service connections, except as otherwise specified, will be based on the actual number of service connections restored.

b. Payment for each reinstated service connection will be made at the Contract unit price per each service connection restored and shall be full compensation for all materials, labor, equipment and other work necessary to satisfactorily reinstate services.

B. Any and all other items of work listed in the Specifications or shown on the Contract Drawings for this contract shall be considered incidental to and included in the pay item.

- END OF SECTION -



## **SECTION 02260**

### **SITE RESTORATION**

#### **PART 1 - GENERAL**

##### **1.01 CLEAN-UP**

Upon completion of the installation of the structures, yard piping, equipment and appurtenances, the Contractor shall remove all debris and surplus construction materials resulting from construction operations. The Contractor shall grade the ground along each side of the pipe trench and/or structure in a uniform and neat manner leaving the construction area in a shape as near as possible to the original ground line or to the grades shown on the Drawings.

#### **PART 2 - PRODUCTS**

##### **2.01 SEEDING**

All graded areas shall be seeded as specified in COH Standard Specifications. Residential yards shall be sodded back original or better condition with the same species of grass which is present.

#### **PART 3 - EXECUTION**

A. After installation of Work, the construction site shall be restored to its original condition or better. All paved streets, roads, sidewalks, curbs, etc. removed or disturbed during construction shall be replaced, and all materials and workmanship shall conform to standard practices and specifications of the Owner and/or to the Alabama Department of Transportation (Alabama Highway Department) requirements and specifications, whichever applies. Gravel, cinder or dirt streets, drives and shoulders shall be replaced and sufficiently compacted to provide a surface suitable for carrying the type of traffic normally imposed at that location.

B. All seeded areas shall be watered daily during the germination period, unless rain supplies the required moisture. The Contractor shall replace, at no additional cost to the Owner, trees, shrubs, etc. disturbed during construction.

C. The Contractor shall remove from the site all equipment, unused materials and other items. The construction site shall be left in a neat, orderly condition, clear of all unsightly items, before the Work is finally accepted.

- END OF SECTION -

**SECTION 02600****MAINTAINING WASTEWATER FLOW****PART 1 - GENERAL**

This Section shall include all pumps, hoses, tank trucks, traffic control, clean up, and any other materials required to effectively by-pass pump and maintain continuous wastewater flow in the existing sewer system.

The Contractor shall furnish all labor, materials, tools and equipment necessary to maintain wastewater flows in the sewer by means of by-pass pumping around the sewer segment or manhole to maintain flow continuously until rehabilitation work is completed.

**PART 2 - PRODUCTS (NOT USED)****PART 3 - EXECUTION****3.01 CONSTRUCTION REQUIREMENTS**

The Contractor shall contact the Owner Representative 48 hours in advance of any work related to wastewater flow control in existing systems. Procedures and equipment planned by the Contractor for maintaining wastewater flow during rehabilitation work shall be coordinated with the Owner Representative.

**3.02 DEPTH OF FLOW**

A. If the depth of flow in the existing sewer segment at a point upstream of the rehabilitation work is above the maximum allowable depth for television inspection, joint testing and/or sealing, flow shall be reduced to an acceptable level for lining or other rehabilitation by operation of pump station, plugging or blocking of the sewer, or by pumping and bypassing of flow as specified.

B. In performing television inspection, joint testing and/or sealing and other sewer rehabilitation work, the Contractor shall control the depth of flow in the sewer within the following guideline:

| <b>MAXIMUM PIPE FLOW DEPTH</b> |                              |                                  |                              |                      |                              |
|--------------------------------|------------------------------|----------------------------------|------------------------------|----------------------|------------------------------|
| <b>TELEVISION INSPECTION</b>   |                              | <b>JOINT TESTING AND SEALING</b> |                              | <b>PIPE LINING</b>   |                              |
| <b>PIPE DIAMETER</b>           | <b>FLOW DEPTH, % OF DIA.</b> | <b>PIPE DIAMETER</b>             | <b>FLOW DEPTH, % OF DIA.</b> | <b>PIPE DIAMETER</b> | <b>FLOW DEPTH, % OF DIA.</b> |
| 6 - 10 in.                     | 20%                          | 6 - 12 in.                       | 25%                          | 6 - 10 in.           | 20%                          |
| 12 - 24 in.                    | 25%                          | 15 - 24 in.                      | 30%                          | 12 - 24 in.          | 25%                          |
| 27 in. or more                 | 30%                          | 27 in. or more                   | 35%                          | 27 in. or more       | 30%                          |

C. When sewer line flows, as measured in the first manhole upstream of the sewer segment being rehabilitated, exceed the maximum depths listed above or inspection of the complete pipe periphery is necessary for effective testing,

sealing or line work, the Contractor shall implement wastewater flow control methods at no additional cost to the Owner

### **3.03 SEWER PLUGGING OR BLOCKING**

A. During any type of sewer rehabilitation work, if necessary to temporarily control wastewater flow, after proper notice is given to the Owner Representative, the Contractor may plug or block the sewer pipe.

B. A sewer line plug shall be inserted into the pipe at a manhole upstream from the section being inspected, lined, replaced, tested and/or sealed. The plug shall be so designed that during all or any portion of the operation, wastewater flows shall be shut off or substantially reduced in order to properly inspect the pipe at the invert. After rehabilitation work is complete, flows shall be restored to normal.

### **3.04 BYPASS PUMPING**

A. Where pumping is required, for wastewater flow control, in the opinion of the Owner Representative, to assure completion of the inspection, replacement, lining or testing and sealing work, the Contractor shall furnish pumping equipment, traffic control, conduits, fittings, barricades, safety equipment, power and other necessary equipment. No pumping operations shall be performed from manhole to manhole in which wastewater is allowed to enter surface drainage facilities, ditches, or natural water courses.

B. Sanitary sewage shall be pumped directly into the nearest downstream available manhole, providing that the existing sewer has capacity to transport the flow, or, if no manhole is available, into tank trucks for hauling sewage. The Contractor shall be responsible for keeping pumps running continuously, 24 hours a day if required, until the by-pass operation is no longer required.

C. The by-pass system shall have adequate capacity to handle existing wastewater flow plus any additional peak flows which may occur during the rehabilitation work process.

### **3.05 PRECAUTIONS AND LIABILITY**

A. During wastewater flow control operations, the Contractor shall take proper precautions to prevent flooding and/or damage to existing sanitary sewer facilities, or to public or private property.

B. The Contractor shall make repairs or replacements or rebuild any damaged section or sections of existing sewers, as directed by the Owner Representative. All such repairs, replacements, and rebuilding shall be paid for by the Contractor.

C. The Contractor shall make provisions as necessary for handling all flows in existing sewers, connections, and manholes by pipes, flumes, or by other approved methods at all times in which operations would interfere with normal functioning of those facilities.

D. The Contractor shall be responsible for the removal of any debris and sedimentation in the existing sewers, laterals and manholes, etc. which is attributable to work under this Contract.

E. All operations shall be performed by the Contractor in strict accordance with OSHA and any applicable local safety requirements. Particular attention of the Contractor is directed to safety regulations for excavations and entering confined spaces.

F. It is the Contractor's responsibility to notify any property owner having a sewer service connection on the sewer being rehabilitated that such work is being performed. The Contractor shall be solely responsible for any damage caused by property service connection backups caused by the Contractor's sewer rehabilitation operations.

G. If sewage should leak or spill during any of the Contractor's operations under this Contract, the Contractor shall immediately contact the Owner Representative and implement emergency containment actions.

- END OF SECTION -

**SECTION 02625**

**POINT REPAIR**

**PART 1 - GENERAL**

**1.01 WORK INCLUDED**

The work covered by this Section includes furnishing all labor, equipment and materials required to carry out point repairs on sanitary sewer lines as described herein.

**1.02 RELATED WORK**

- A. Section 01300 - Submittals
- B. Section 02600 - Maintaining Wastewater Flow
- C. Section 02619 - Television Inspection
- D. Section 02620 - Sanitary Sewer Cleaning

**PART 2 - PRODUCTS**

**2.01 PIPE**

All pipe used for point repairs shall be approved by the Owner Representative.

**2.02 COUPLINGS**

Elastomeric couplings for connecting replacement pipe to existing pipe shall be as manufactured by Fernco, or approved equal. Elastomeric couplings shall be fastened by two stainless steel adjustable clamps, type C-305 or approved equal, to form a watertight seal.

**PART 3 - EXECUTION**

**3.01 METHOD OF REPAIR**

A. The Contractor shall replace a sufficient number of entire pipe joints to ensure that incompetent pipe is removed and replaced. The bid price for each individual point repair shall include replacement of the total length of pipe required, in the manner discussed above, up to a length, per repair, of 15 feet.

B. If the length of the required replacement segment is not adequate to locate sufficient sound pipe for connection with the new section, the Contractor, at the Owner Representative's instruction, may be directed to replace additional sections of pipe such that an appropriate connection is possible.



C. The Contractor shall repair and replace all service wyes, tees, or taps encountered within the required replacement segment using material specified. Any service lines encountered within the point repair area shall be replaced up to competent pipe with the same size material and the type specified by the Owner.

D. Any service line or competent main line pipe broken by the Contractor shall be replaced at the Contractor's expense at the determination of the Owner Representative.

### **3.02 PREPARATION**

A. Before commencing work, the Contractor shall determine that all requirements pertaining to scheduling of the work, the time approved by the Owner Representative for commencement, and coordination of work with the Owner Representative are being complied with.

B. All protection required to prevent damage to new materials, adjacent materials, equipment, fixtures, and finishes shall be provided.

C. Contractor shall provide proper ventilation for personnel working in the sewer.

D. Contractor shall provide all the material and equipment necessary for an alternate routing of the sewer flow per COH Standard Sanitary Sewer Specifications. Discharge shall be to a downstream sanitary sewer manhole.

E. Contractor shall provide all traffic control devices including flagmen, at and around the work area as per COH 1991 Specifications.

F. The sewer pipe should be cleaned and internally inspected by the Contractor in accordance with COH Standard Sanitary Sewer Specifications. Any conditions that would prevent proper installation of the point repair desired or require additional materials should be noted and brought to the attention of the Owner Representative.

G. Service connections should be noted and brought to the attention of the Owner Representative. Any services which are not to be reconnected after repair shall be identified by the Owner Representative.

H. Point repair locations shall be recorded as distance from the upstream manhole.

### **3.03 INSTALLATION**

A. The Contractor shall remove any fences, base materials, storm sewers, etc. that interfere with the repair made at each specified point, and the Contractor is responsible for the replacement of said fences, base material, storm sewer etc., in the same or better condition than found as determined by the Owner Representative.

B. The Contractor shall replace the entire defective pipe section including at least one complete existing pipe length or section on each side of the defect. The bottom of the trench shall be reshaped so that the grade of the pipe replaced will match that required for the existing sewer line. The point repair shall be backfilled in accordance with the COH Standard Specification and as noted in the Documents. If the material in the bottom of the trench is of such consistency that it is not stable, then the Contractor shall stabilize the bottom of the trench by placing suitable materials at the direction of the Owner Representative. Elastomeric couplings, fastened by two stainless steel clamps, will be used to connect replacement pipe with existing pipe.

C. Service taps shall be repaired by replacing the service line back to competent pipe. A wye connection shall be made to the main line connection with the same size pipe and material as the replacement pipe.

D. Prior to backfilling, point repairs shall be inspected by the Owner Representative. After backfilling point repairs shall be internally televised per COH Standard Sanitary Sewer Specifications for final approval by the Owner Representative.

### **3.04 WARRANTY**

The Contractor shall guarantee the work for a warranty period of two (2) year from the date of acceptance. If, at any time during the warranty period, any leakage, cracking, loss of bond, or other discontinuity is identified, the Contractor shall make repairs acceptable and at no additional cost to the Owner and extend the warranty period for an additional two (2) year from the date of repair acceptance.

- END OF SECTION -

**SECTION 02690**

**CURED-IN-PLACE PIPE (CIPP)**

**PART 1 - GENERAL**

**1.01 WORK INCLUDED**

A. This specification defines the approved systems and materials for the rehabilitation of existing gravity sewer lines by the cured-in-place pipe lining process.

B. The Contractor shall include all labor The Contractor shall include all labor, materials, equipment and services necessary for dewatering, traffic control, bypass pumping and/or diversion of sewage flows, cleaning and television inspection of sewers to be lined, liner installation, reconnection of service connections, all quality controls, samples for performance of required material tests, final television inspection, and testing of lined pipe system and warranty work necessary to provide for the complete rehabilitation of deteriorated gravity sewer lines by the CIPP system, all as specified herein.

C. The CIPP system is defined as the rehabilitation of pipelines by the installation of a resin-impregnated flexible tube which, when cured, shall be continuous and tight-fitting throughout the entire length of the original pipe. The CIPP shall extend the full length of the original pipe and provide a structurally sound, jointless and water-tight new pipe within a pipe. The Contractor is responsible for proper, accurate and complete installation of the CIPP using the system selected by the Contractor.

D. This specification represents the minimum requirements for the rehabilitation of sanitary sewer pipelines by the installation of Cured-In-Place Pipe (CIPP) within the existing, deteriorated pipe as shown on the plans included as part of these contract documents. The Contractor shall abide by any manufacturer's specifications that exceed these specifications.

E. Contractor shall re-establish any blocked service connections as covered under the separate bid item "REINSTATE SERVICE CONNECTION (MATERIAL AND INSTALLATION)."

**1.02 RELATED WORK**

- A. Section 01300 - Submittals
- B. Section 02600 - Maintaining Wastewater Flow
- C. Section 02619 - Television Inspection
- D. Section 02620 - Sanitary Sewer Cleaning

**1.03 SUBMITTALS**

A. The manufacturer's installation procedures shall be submitted for approval by the Owner Representative before the commencement of installation. Where the scope of work is specifically delineated in the contract documents, the Contractor shall submit a detailed installation plan describing all of the following: preparation work, cleaning operations, pre-CCTV inspections, bypass pumping, traffic control, installation procedure, handling procedures, material storage locations, method of curing, service reconnection, quality control, testing to be performed, final CCTV inspection, project schedule, EPSC plan, cleanup plan, residential notification, warranties furnished and all else necessary and applicable for a complete CIPP liner installation.

B. The Contractor shall submit with the bid proof of experience matching the outlines in Section 400, Bidders Qualifications.

C. Shop drawings and product data shall be submitted for approval before any work commences.

D. Engineering design calculations, in accordance with the Appendix of ASTM F-1216, for each length of liner to be installed including the thickness of each proposed CIPP. It will be acceptable for the Contractor to submit a design for the most severe line condition and apply that design to all of the line sections. These calculations shall be performed and certified by a, qualified, Professional Engineer. All calculations shall include data that conforms to the requirements of these specifications or has been pre-approved by the Owner.

E. Submittals shall include information on the cured-in-place pipe intended for installation and all tools and equipment required for a complete installation. Contractor shall identify which tools and equipment will be redundant on the job site in the event of equipment breakdown. All equipment, to be furnished for the project, including proposed back-up equipment, shall be clearly described. The Contractor shall outline the mitigation procedure to be implemented in the event of key equipment failure during the installation process.

F. A detailed description of the Contractor's proposed procedures for removal of any existing blockages in the pipeline that may be encountered during the cleaning process.

G. Compensation for all work required for the various submittals contained within this section shall be included in the various pipelining items contained in the Proposal.

**1.04 QUALITY ASSURANCE AND PRODUCT DELIVERY**

A. The CIPP shall be continuous and jointless from manhole to manhole or access point to access point and shall be free of all defects that will affect the long term life and operation of the pipe.

B. The CIPP shall fit sufficiently tight within the existing pipe so

as to not leak at the manholes, at the service connections or through the wall of the installed pipe. If leakage occurs at the manholes or the service connections the Contractor shall seal these areas to stop all leakage using a material compatible with the CIPP as directed by the Owner at the price bid therefore in the Proposal. If leakage occurs through the wall of the pipe the liner shall be repaired or removed as recommended by the CIPP manufacturer. Final approval of the liner installation will be based on a leak tight pipe.

C. The CIPP shall be designed for a life of 50 years or greater. The installed CIPP shall have a long term (50 year) corrosion resistance to the typical chemicals found in domestic sewage. The CIPP may be designed as a liner to rehabilitate the existing pipe or as a fully structural stand alone pipe-within-a-pipe. The installed CIPP shall withstand all applicable surcharge loads (soil overburden, live loads, etc.) and external hydrostatic (groundwater) pressure, if present, for each specific installation location.

D. Neither the CIPP system, nor its installation, shall cause adverse effects to any of the Owner's processes or facilities. The use of the product shall not result in the formation or production of any detrimental compounds or by-products at the wastewater treatment plant. The Contractor shall notify the Owner and identify any by-products produced as a result of the installation operations, test and monitor the levels, and comply with any and all local waste discharge requirements. The Contractor shall cleanup, restore existing surface conditions and structures, and repair any of the CIPP system determined to be defective. The Contractor shall conduct installation operations and schedule cleanup in a manner to cause the least possible obstruction and inconvenience to traffic, pedestrians, businesses, and property owners or tenants.

E. All existing and confirmed active service connections and any other service laterals to be reinstated as directed by the Owner shall be re-opened robotically or by hand in the case of man-entry size piping, to their original shape and to 95% of their original capacity. All over-cut service connections will be properly repaired to meet the requirements of these specifications. This work shall be paid under the separate bid item "REINSTATE SERVICE CONNECTION (MATERIAL AND INSTALLATION)."

F. All materials furnished, as part of this contract shall be marked with detailed product information, stored in a manner specified by the manufacturer and tested to the requirement of this contract.

G. Testing and warranty inspections shall be executed by the Owner. Any defects found shall be repaired or replaced by the Contractor.

H. The Contractor shall furnish all samples for product testing at the request of the Owner. The Owner shall take possession of the samples for testing and shall maintain the chain of custody, deliver the samples to an approved laboratory and pay for all material and product testing performed under this contract.

#### **1.05 SAFETY**

A. The Contractor shall conform to all work safety requirements of pertinent regulatory agencies, and shall secure the site for the working



conditions in compliance with the same. The Contractor shall erect such signs and other devices as are necessary for the safety of the work site.

B. The Contractor shall perform all of the Work in accordance with applicable OSHA standards. Emphasis shall be placed upon the requirements for entering confined spaces and with the equipment being utilized for pipe renewal.

C. The Contractor shall submit a proposed Safety Plan to the Owner, prior to beginning any work, identifying all competent persons. The plan shall include a description of a daily safety program for the job site and all emergency procedures to be implemented in the event of a safety incident. All work shall be conducted in accordance with the Contractor's submitted Safety Plan.

D. Compensation for all work required for the submittal of the Safety Plan shall be included in the various pipelining items contained in the Proposal.

#### **1.06 REFERENCES**

The following documents form a part of this specification to the extent stated herein and shall be the latest editions thereof. Where differences exist between codes and standards, the requirements of these specifications shall apply.

ASTM -F1216 Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin-Impregnated Tube

ASTM -F1743 Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Pull in and inflate and Curing of a Resin-Impregnated Tube

ASTM -D543 Standard and Practice for Evaluating the Resistance of Plastics to Chemical Reagents

ASTM -D638 Standard Test Method for Tensile Properties of Plastics

ASTM -D790 Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials

ASTM -D792 Standard Test Methods for Density and Specific Gravity of Plastics by displacement.

ASTM -F2019-03 Standard Practice for Rehabilitation of Existing Pipelines and

Conduits by the Pulled in Place Installation of Glass Reinforced Plastic (GRP) Cured-in-Place Thermosetting Resin Pipe (CIPP)

ASTM -D2122-98(2004) Standard Test Method for Determining Dimensions of Thermoplastic Pipe and Fittings

ASTM -D2990 Standard Test Methods for Tensile, Compressive, and Flexural Creep and Creep-Rupture of Plastics

ASTM -D3567-97(2002) Standard Practice for Determining Dimensions of Fiberglass (Glass-Fiber-Reinforced Thermosetting Resin) Pipe and

Fittings

ASTM -D3681 Standard Test Method for Chemical Resistance of "Fiberglass (Glass Fiber Reinforced Thermosetting Resin) Pipe in a Deflected Condition

ASTM -D5813 Standard Specification for Cured-in Place Thermosetting Resin Sewer Pipe

**1.07 PATENT INFRINGEMENT**

The Contractor shall hold the Owner and Owner Representative whole and harmless in any legal action resulting from patent infringement.

**1.08 PUBLIC NOTIFICATION**

A. 72 hours prior to disruption of service, the Contractor shall notify property owners, public, residents, and all others who may be affected using a notification form approved by the Owner. Emergency work notification by the contractor will be at the discretion of the Owner Representative.

B. The Contractor shall use dye testing or another approved method for determining active service connections. Service lines that are not active are not to be reconnected unless directed by the Owner or Owner Representative.

C. The Contractor shall disrupt customer service for no longer than 12 hours. If service will be disrupted for more than 12 hours or overnight, the Contractor must notify affected customers and the Owner of the delay and make necessary arrangements to keep temporary service to the residence.

**1.09 PROJECT DOCUMENTATION**

A. The Contractor shall make a walk through video prior to the start of construction and another immediately after the completion of the project. These videos shall document the condition of the entire project area. The project name, contract number, and the date and time of filming shall be clearly identified in the videos. The location within the project area shall be clearly identified as filming progresses.

B. Videos shall be submitted to the Owner's inspector at the earliest possible date.

C. Pre-construction video inspections and logs documenting the existing pipe conditions and construction areas shall be submitted not less than 72 hours prior to the commencement of CIPP activities. Emergency projects shall waive 72 hour submittal.

D. The Contractor shall perform Television Video Inspection immediately prior and immediately following CIPP installation. All videos are to be clearly documented the location, date and time of the inspection and shall be provided to the Owner within 24 hours of completion of work of each individual line segment.

**1.10 EXISTING DOCUMENTATION AVAILABILITY**

The Owner will make available to the Contractor or Prospective Bidders all existing sewer information and television inspections. The Contractor or Bidder shall make arrangements with the Owner to view this information by appointment only, Monday - Friday between the hours of 6:00 AM and 5:00 PM. See the contact information below:

Address: City of Huntsville  
 Department of Water Pollution Control  
 1800 Vermont Road  
 Huntsville, AL 35804

Contact: Mr. Mark Huber

Phone: (256) 883-3777

**1.11 QUALIFICATIONS**

A. The Contractor is required to have at least one qualifying superintendent on the job during construction activities. The qualifying superintendent and crew that will be undertaking the work must meet the experience requirements noted in Section 00400. Crews and superintendent shall be able to respond onsite within twenty four hours of notification for an emergency project.

B. A minimum of five (career) years flow diversion supervisory field experience is required.

C. See experience qualifications in section 00400 of the Supplemental specifications.

**PART 2 - PRODUCTS****2.01 GENERAL**

A. The finished replacement pipe/liner shall be fabricated from materials which will be chemically resistant to withstand internal exposure to municipal wastewater and meet the chemical requirements specified in this section.

B. All materials, shipped to the project site, shall be accompanied by test reports certifying that the material conforms to the ASTM standards listed herein. Materials shall be shipped, stored, and handled in a manner consistent with written recommendations of the CIPP system manufacturer to avoid damage. Damage includes, but is not limited to, gouging, abrasion, flattening, cutting, puncturing, or ultra-violet (UV) degradation. On site storage locations, shall be approved by the Owner. All damaged materials shall be promptly removed from the project site at the Contractor's expense and disposed of in accordance with all current applicable regulations.

**2.02 MATERIALS**

## A. Fabric Tube

i. The fabric tube shall consist of one or more layers of absorbent non-woven felt fabric, felt/fiberglass or fiberglass and meet the requirements of ASTM F 1216, ASTM F 1743, ASTM D 5813 & ASTM F2019. The fabric tube shall be capable of absorbing and carrying resins, constructed to withstand installation pressures and curing temperatures and have sufficient strength to bridge missing pipe segments, and stretch to fit irregular pipe sections. The contractor shall submit certified information from the felt manufacturer on the nominal void volume in the felt fabric that will be filled with resin.

ii. The wet-out fabric tube shall have a uniform thickness and excess resin distribution that when compressed at installation pressures will meet or exceed the design thickness after cure.

iii. The fabric tube shall be manufactured to a size and length that when installed will tightly fit the internal circumference, meeting applicable ASTM standards or better, of the original pipe. Allowance shall be made for circumferential stretching during installation. The tube shall be properly sized to the diameter of the existing pipe and the length to be rehabilitated and be able to stretch to fit irregular pipe sections and negotiate bends. The Contractor shall determine the minimum tube length necessary to effectively span the designated run between manholes. The Contractor shall verify the lengths in the field prior to ordering and prior to impregnation of the tube with resin, to ensure that the tube will have sufficient length to extend the entire length of the run. The Contractor shall also measure the inside diameter of the existing pipelines in the field prior to ordering liner so that the liner can be installed in a tight-fitted condition.

iv. The outside and/or inside layer of the fabric tube (before inversion/pull-in, as applicable) shall be coated with an impermeable, flexible membrane that will contain the resin and facilitate, if applicable, vacuum impregnation and monitoring of the resin saturation during the resin impregnation (wetout) procedure.

v. No material shall be included in the fabric tube that may cause de-lamination in the cured CIPP. No dry or unsaturated layers shall be acceptable upon visual inspection as evident by color contrast between the felt fabric and the activated resin containing a colorant.

vi. The wall color of the interior pipe surface of CIPP after installation shall be a light reflective color so that a clear detailed examination with closed circuit television inspection equipment may be made. The hue of the color shall be dark enough to distinguish a contrast between the fully resin saturated felt fabric and dry or resin lean areas.

vii. Seams in the fabric tube, if applicable, shall meet the requirements of ASTM D5813.

viii. The outside of the fabric tube shall be marked every five (5) feet with the name of the manufacturer or CIPP system, manufacturing lot and production footage.

ix. The minimum length of the fabric tube shall be that deemed necessary by the installer to effectively span the distance from the starting manhole to the terminating manhole or access point, plus that amount required to run-in and run-out for the installation process.

**B. Resin** shall be a corrosion resistant polyester or vinyl ester resin and catalyst system that when properly cured within the tube composite meets the requirements of ASTM F1216, ASTM F1743 or F2019, the physical properties herein, and those, which are to be utilized in the design of the CIPP for this project. The resin shall produce CIPP which will comply with or exceed the structural and chemical resistance requirements of this specification.

**C. Structural Requirements and Minimum Physical Properties**

i. The physical properties and characteristics of the finished liner will vary considerably, depending on the types and mixing proportions of the materials used, and the degree of cure executed. It shall be the responsibility of the Contractor to control these variables and to provide a CIPP system which meets or exceeds the minimum properties specified herein:

ii. The CIPP shall be designed as per ASTM standards. The CIPP design shall assume no bonding to the original pipe wall.

iii. The design engineer shall set the long term (50 year extrapolated) Creep Retention Factor at 33% of the initial design flexural modulus as determined by ASTM D-790 test method. This value shall be used unless the Contractor submits long term test data (ASTM D2990) to substantiate a higher retention factor.

iv. The cured pipe material (CIPP) shall, at a minimum, meet or exceed the structural properties, as listed below.

| Property                                    | Test Method | Cured Composite Per ASTM F1216 | Cured Composite Per Design |
|---------------------------------------------|-------------|--------------------------------|----------------------------|
| Flexural Modulus of Elasticity (Short Term) | ASTM D-790  | 250,000 psi                    | Contractor Value           |
| Flexural Strength (Short Term)              | ASTM D-790  | 4,500 psi                      | Contractor Value           |

v. The required structural CIPP wall thickness shall be based, as a minimum, on the physical properties of the cured composite and per the design of the Professional Engineer (see also Section 1.03, Item D) and in accordance with the Design



Equations contained in the appendix of the ASTM standards, and the following design parameters:

|                              |                                                |
|------------------------------|------------------------------------------------|
| Design Safety Factor         | 2.0 (1.5 for pipes 36" or larger)              |
| Creep Retention Factor       | 33%                                            |
| Ovality                      | 2% or as measured by field inspection          |
| Constrained Soil Modulus     | Per AASHTO LRFD Section 12 and AWWA Manual M45 |
| Groundwater Depth            | As specified or indicated on the Plans         |
| Soil Depth (above the crown) | As specified or indicated on the Plans         |
| Live Load                    | Highway, railroad or airport as applicable     |
| Soil Load (assumed)          | 120 lb/cu. Ft.                                 |
| Minimum service life         | 50 years                                       |

vi. The Contractor shall submit, prior to installation of the lining materials, certification of compliance with the specifications and/or the requirements of the pre-approved CIPP system. Certified material test results shall be included that confirm that all materials conform to these specifications and/or the pre-approved system. Materials not complying with the requirements will be rejected.

vii. The design soil modulus may be adjusted based on data determined from detailed project soil testing results as provided by the Owner in the contract documents.

## 2.03 SUBMITTALS

A. Fabric Tube - including the manufacturer and description of project components.

B. Flexible membrane (coating) material - including recommended repair (patching) procedure if applicable.

C. Raw Resin Data - including the manufacturer and description of project components.

D. Manufacturers' shipping, storage, and handling recommendations for all components of the CIPP system.

E. All MSDS sheets for all materials to be furnished for the project.

F. Tube wet-out & cure method including:

i. A complete description of the proposed wet-out procedure for the proposed technology.

ii. The Manufacturer's recommended cure method for each diameter and thickness of CIPP liner to be installed. This shall contain a detailed curing procedure detailing the curing medium and the method of application.

## **PART 3 - EXECUTION**

### **3.01 GENERAL**

A. The Contractor shall transport, handle, and store pipes, fittings, and other materials as recommended by the manufacturer.

B. If new materials become damaged before installation, it shall be repaired as recommended by the manufacturer or replaced as required by the Owner Representative at the Contractor's expense, before proceeding further.

### **3.02 PREPARATION**

A. Preparation, cleaning, inspection, sewage by-passing and public notification. The Contractor shall clean the interior of the existing host pipe prior to installation of the CIPP liner. All debris and obstructions, that will affect the installation and the final CIPP product delivery to the Owner, shall be removed and disposed of at the Contractor's cost.

B. The Contractor may, under the direction of the Owner, utilize any of the existing manholes in the project area as installation access points. If a street must be closed to traffic because of the location of the sewer, the Contractor shall furnish a detailed traffic control plan and all labor and equipment necessary. The plan shall be in conformance with the requirements of the local agency having jurisdiction over traffic control.

C. The Contractor shall remove all internal debris from the pipe line that will interfere with the installation and the final product delivery of the CIPP as required in these specifications. Solid debris and deposits shall be removed from the system and disposed of properly by the Contractor. Moving material from manhole section to manhole section shall not be allowed. As applicable the contractor shall either plug or install a flow bypass pumping system to properly clean the pipe lines. Precaution shall be taken, by the Contractor in the use of cleaning equipment to avoid damage to the existing pipe. The repair of any damage, caused by the cleaning equipment, shall be the responsibility of the Contractor. The Owner will designate a site for the disposal of all debris removed, from the Owner's sewer system, as a direct result of the cleaning operation. Unless otherwise specified by the Owner, the Contractor shall dispose off all debris at no charge.

D. The Contractor shall provide for the flow of existing mainline and service connection effluent around the section or sections of pipe designated for CIPP installation. Service connection effluent may be plugged only after proper notification to the affected residence and may not remain plugged overnight. Installation of the liner shall not begin until the Contractor has installed a sewage by-pass system and all pumping facilities have been installed and tested under full operating conditions including the bypass of mainline and side sewer flows. Once the lining process has begun, existing sewage flows shall be maintained, until the resin/felt tube composite is fully cured, cooled down, full televised and the CIPP ends finished. The Contractor shall coordinate sewer bypass and flow interruptions with the Owner at least 14 days in advance and with the property owners and businesses at least 3 business days in advance. The pump and bypass lines shall be of adequate capacity and size to handle peak flows. The Contractor shall submit a detail of the bypass plan and design to the Owner before

proceeding with any CIPP installation. Compensation for by-pass pumping and all associated plans and approvals shall be at the price bid therefore in the Proposal.

E. Contractor shall perform post-cleaning video inspections of the pipelines. Only PACP certified personnel trained in locating breaks, obstacles and service connections by closed circuit television shall perform the inspection. The Contractor shall provide the Owner a copy of the pre-cleaning and post-cleaning video and suitable log, and/or in digital format for review prior to installation of the CIPP and for later reference by the Owner.

F. It shall be the responsibility of the Contractor to clear the line of obstructions that will interfere with the installation and long-term performance of the CIPP. If pre-installation inspection reveals an obstruction, misalignment, broken or collapsed section or sag that will prohibit proper installation of the CIPP, the Contractor will be directed by the Owner to correct the problem(s) prior to lining by utilizing open cut point repair methods. The Contractor shall be compensated for this work under the bid item designated for point repairs. The Contractor and Owner are to agree on all point repairs prior to commencement of work or placement of any CIPP lining.

G. The Contractor shall be responsible for confirming the locations of all branch service connections prior to installing and curing the CIPP. If required in the contract documents, each connection will be dye tested to determine whether or not the connection is live or abandoned. In the event the status of a service connection cannot be adequately defined, the Owner will make the final decision, prior to installation and curing of the liner, as to the status. Typically only service connections deemed "active" shall be reopened by the Contractor.

H. The Contractor shall be allowed use water from an owner-approved fire hydrant in the project vicinity. Use of an approved double check backflow assembly shall be required. Contractor shall provide his own approved assembly. Contractor shall pay current market price for all water usage.

I. The Contractor shall be solely responsible for managing groundwater in the work areas in which he is operating. This work shall be at no additional cost to the Owner.

J. The Contractor shall be solely responsible for access to the areas in which he is working. Contractor shall be allowed to use COH rights-of-way and/or utility easements associated directly with the sanitary sewer lines to be rehabilitated, using proper traffic control. Provision of access to the project sites shall be at no additional cost to the Owner.

### **3.03 CIPP INSTALLATION**

A. The CIPP Liner shall be installed and cured in the host pipe per the manufacturer's specifications as described and submitted in the project submittals.

B. CIPP installation shall be in accordance with the applicable ASTM standards as referenced in Section 1.06.

C. The wet-out tube shall be positioned in the pipeline using the

method specified by the manufacturer. Care should be exercised not to damage the tube as a result of installation. The tube should be pulled-in or inverted through an existing manhole or approved access point and fully extend to the next designated manhole or termination point.

D. Prior to installation and as recommended by the manufacturer remote temperature gauges or sensors shall be placed inside the host pipe to monitor the temperatures during the cure cycle. Liner and/or host pipe interface temperature shall be monitored and logged during curing of the liner.

E. Curing shall be accomplished by utilizing the appropriate medium in accordance with the manufacturer's recommended cure schedule. The curing source or in and output temperatures shall be monitored and logged during the cure cycles. The manufacturer's recommended cure schedule shall be used for each line segment installed, and the liner wall thickness and the existing ground conditions with regard to temperature, moisture level, and thermal conductivity of soil, per ASTM as applicable, shall be taken into account by the Contractor.

#### **3.04 COOL DOWN**

A. The Contractor shall cool the CIPP in accordance with the approved CIPP manufacturer's recommendations as described and outlined in the project submittals.

B. Temperatures and curing data shall be monitored and recorded, by the Contractor, throughout the installation process to ensure that each phase of the process is achieved as approved in accordance with the CIPP System manufacturer's recommendations.

#### **3.05 FINISH**

A. The installed CIPP shall be continuous over the entire length of a sewer line section and be free from visual defects such as foreign inclusions, dry spots, pinholes, major wrinkles and de-lamination. The lining shall be impervious and free of any leakage from the pipe to the surrounding ground or from the ground to inside the lined pipe.

B. Any defect, which will or could affect the structural integrity or strength of the linings, shall be repaired at the Contractor's expense, in accordance with Section 3.06 CIPP Repair/Replacement.

C. The beginning and end of the CIPP shall be sealed to the existing host pipe. The sealing material shall be compatible with the pipe end and shall provide a watertight seal.

D. If any of the service connections leak water between the host pipe and the installed liner, the connection mainline interface shall be sealed to provide a water tight connection.

E. If the wall of the CIPP leaks, it shall be repaired or removed and replaced with a watertight pipe as recommended by the manufacture of the CIPP system.

F. Compensation shall be at the actual length of cured-in-place pipe installed. The length shall be measured from center of manhole to center of

manhole. The unit price per linear foot installed shall include all materials, labor, equipment and supplies necessary for the complete CIPP liner installation. Compensation for service connection sealing shall be at the unit price bid therefore in the Proposal.

### **3.06 CIPP REPAIR/REPLACEMENT**

A. Occasionally installation of will result in the need to repair or replace a defective CIPP. The Contractor shall outline specific repair or replacement procedures for potential defects that may occur in the installed CIPP. Repair/replacement procedures shall be as recommended by the CIPP system manufacturer and shall be submitted as part of the PWS.

B. Defects in the installed CIPP that will not affect the operation and long term life of the product shall be identified and defined.

C. Repairable defects that may occur in the installed CIPP shall be specifically defined by the Contractor based on manufacturer's recommendations, including a detailed step-by-step repair procedure, resulting in a finished product meeting the requirements of these contract specifications.

D. Un-repairable defects that may occur to the CIPP shall be clearly defined by the Contractor based on the manufacturer's recommendations, including a recommended procedure for the removal and replacement of the CIPP.

### **3.07 MANHOLE CONNECTIONS AND RECONNECTIONS OF EXISTING SERVICES**

A. A seal, consisting of a resin mixture or hydrophilic seal compatible with the installed CIPP shall be applied at manhole walls in accordance with the CIPP System manufacturer's recommendations.

B. Existing services shall be internally or externally reconnected unless indicated otherwise in the contract documents. This item shall be paid for under the separate bid item "REINSTATE SERVICE CONNECTION (MATERIAL AND INSTALLATION)."

C. Reconections of existing services shall be made after the CIPP has been installed, fully cured, and cooled down. It is the Contractor's responsibility to make sure that all active service connections are reconnected.

D. External reconections are to be made with a tee fitting in accordance with CIPP System manufacturer's recommendations. Saddle connections shall be seated and sealed to the new CIPP using grout or resin compatible with the CIPP.

E. A CCTV camera and remote cutting tool shall be used for internal reconections. The machined opening shall be at least 95 percent of the service connection opening and the bottom of both openings must match. The opening shall not be more than 100 percent of the service connection opening. The edges of the opening shall not have pipe fragments or liner fragments, which may obstruct flow or snag debris.

F. In the event that service reinstatements result in openings that are greater than 100 percent of the service connection opening, the Contractor shall install a CIPP type repair, sufficiently in size to completely cover the over-cut service connection. No additional compensation



will be paid for the repair of over-cut service connections.

G. Coupons of pipe material resulting from service tap cutting shall be collected at the next manhole downstream of the pipe rehabilitation operation prior to leaving the site. Coupons may not be allowed to pass through the system.

### **3.08 TESTING OF INSTALLED CIPP**

A. The physical properties of the installed CIPP shall be verified through field sampling and laboratory testing. All materials for testing shall be furnished by the Contractor to the Owner for testing. All materials testing shall be performed at the Owner's expense, by an independent third party laboratory selected by the Owner as recommended by the CIPP manufacturer. All tests shall be in accordance with applicable ASTM test methods to confirm compliance with the requirements specified in these contract documents.

B. The Contractor shall provide samples for testing to the Owner from the actual installed CIPP liner. Samples shall be provided, at a minimum from one location per 1000 linear feet of CIPP installed. The sample shall be cut from a section of cured CIPP that has been inverted or pulled through a like diameter pipe which has been held in place by a suitable heat sink, such as sandbags. All curing, cutting and identification of samples will be witnessed by the Owner and transmitted by the Owner to the testing laboratory.

On pipelines greater in diameter than is practical to produce restrained samples, the Owner may at its discretion, require plate samples cured with the CIPP or designate a location in the newly installed CIPP where the Contractor shall take a sample. The Opening produced from the sample shall be repaired in accordance with manufacturers recommended procedures.

C. The laboratory results shall identify the test sample location as referenced to the nearest manhole and station. Final payment for the project shall be withheld pending receipt and approval of the test results. If properties tested do not meet minimum requirements, the CIPP shall be repaired or replaced by the Contractor, at no additional cost to the Owner.

D. The CIPP system installed shall meet the chemical resistance requirements of ASTM standards. CIPP samples tested shall be of fabric tube and the specific resin proposed for actual construction. It is required that CIPP samples without plastic coating meet these chemical testing requirements.

E. Overall, the hydraulic capacity shall be maintained as large as possible. The installed CIPP shall at a minimum be equal to the full flow capacity of the original pipe before rehabilitation. In those cases where full capacity cannot be achieved after liner installation, the Contractor shall submit a request to waive this requirement, together with the reasons for the waiver request. Calculated capacities may be derived using a commonly accepted roughness coefficient for the existing pipe material taking into consideration its age and condition.

F. The installed CIPP thickness shall be measured for each line section installed. If the CIPP thickness does not meet that specified in the contract and submitted as the approved design by the Contractor then the

liner shall be repaired or removed. The liner thickness shall have tolerance of minus 5% plus 10%. In man-entry size piping the Contractor shall remove a minimum of one sample or one sample every line section of installed CIPP, not meeting the specified design thickness, to be used to check the liner thickness. The samples shall be taken by core drilling 2-inch diameter test plugs at random locations selected by the Owner. As an alternative the Contractor may use industry proven, non-destructive methods for confirming the thickness of the installed CIPP.

G. All costs, to the Contractor, associated with providing cured CIPP samples for testing shall be included in the Lump Sum price bid for Mobilization. Payment for all testing by a laboratory will be paid for by the Owner.

### **3.09 AS-BUILT DRAWINGS**

A. As-Built drawings, pre & post inspection videotapes and/or CD's shall be submitted to the Owner, by the Contractor within 2 weeks of final acceptance of said work or as specified by the Owner. As-Built drawings will include the identification of the work completed by the Contractor and shall be prepared on one set of Contract Drawings provided to the Contractor at the onset of the project.

B. As-Built drawings shall be kept on the project site at all times, shall include all necessary information as outlined or as agreed to by the Owner and the Contractor at the start of the Contract and shall be updated as the work is being completed, and shall be clearly legible.

C. Compensation for all work required for the submittal and approval of As-Built Drawings shall be included in the various bid items contained in the Proposal.

### **3.10 FINAL ACCEPTANCE**

A. All CIPP sample testing and repairs to the installed CIPP as applicable, shall be completed, before final acceptance, meeting the requirements of these specifications and documented in written form.

B. The Contractor shall perform a detailed closed-circuit television inspection in accordance with ASTM standards, in the presence of the Owner after installation of the CIPP liner and reconnection of the side sewers. A radial view (pan and tilt) TV camera shall be used. The camera shall be panned 360 degrees around the circumference of the pipe and along the wall of the finished pipe at 10 foot intervals. The finished liner shall be continuous over the entire length of the installation and shall be free of significant visual defects, damage, deflection, holes, leaks and other defects. Unedited digital documentation of the inspection shall be provided to the Owner within ten (10) working days of the liner installation. The data shall note the inspection date, location of all reconnected side sewers, debris, as well as any other defects in the liner, including, but not limited to, gouges, cracks, bumps, or bulges. If post installation inspection documentation is not submitted within Ten (10) working days of the liner installation, the Owner may at its discretion suspend any further installation of CIPP until the post-installation documentation is submitted. As a result of this suspension, no additional working days will be added to

the contract, nor will any adjustment be made for increase in cost. Immediately prior to conducting the closed circuit television inspection, the Contractor shall thoroughly clean the newly installed liner removing all debris and buildup that may have accumulated.

C. Bypass pumping or plugging from the upstream manhole shall be utilized to minimize sewage from entering the line during the inspection. In the case of bellies in the line, the pipe shall be cleared of any standing water to provide continuous visibility during the inspection.

D. Where leakage is observed through the wall of the pipe, the contractor shall institute additional testing including but not limited to air testing, localized testing and any other testing that will verify the leak-proof integrity of the installed CIPP to the satisfaction of the Owner.

### **3.11 WARRANTY**

A. The materials used for the project shall be certified by the manufacturer for the specified purpose. The manufacturer shall warrant the liner to be free from defects in raw materials for one (1) year from the date of installation and acceptance by the Owner. The Contractor shall warrant the liner installation for a period of one (1) year. During the Contractor warranty period any defect, which may materially affect the integrity, strength, function and/or operation of the pipe, shall be repaired at the Contractor's expense in accordance with procedures included in Section 3.06 CIPP Repair/Replacement.

B. After a pipe section has been lined and for a period of time up to one (1) year following completion of the project, the Owner may inspect all or portions of the lined system. The specific locations will be selected at random by the Owner and will include all sizes of CIPP from this project. If it is found that any of the CIPP has developed abnormalities since the time of "Post Construction Television Inspection," the abnormalities shall be repaired and/or replaced as defined in Section 3.06 CIPP Repair/Replacement. If, after inspection of a portion of the lined system under the contract, problems are found, the Owner may televise all the CIPP installed on the contract. All verified defects shall be repaired and/or replaced by the Contractor and shall be performed in accordance with Section 3.06 CIPP Repair/Replacement and per the original specifications, all at no additional cost to the Owner.

**END OF SECTION**

**SUPPLEMENT TO GENERAL REQUIREMENTS  
FOR  
CONSTRUCTION OF PUBLIC IMPROVEMENTS  
SANITARY SEWER REHABILITATION  
CURED-IN-PLACE PIPE INSTALLATION 2013  
PROJECT #65-13-SP32  
CITY OF HUNTSVILLE, ALABAMA**

## **SUPPLEMENT TO GENERAL REQUIREMENTS**

### **1. GENERAL**

The attention of all bidders is called to Code of Alabama §§ 34-8-1 and 34-8-2 (1975) AND 34-8-1, 34-8-2, 34-8-4, 34-8-6, 34-8-7, 34-8-8 AND 34-8-9 (AMENDED 1996) setting forth the definition of general contractor and the licensing procedures and requirements for state licensing. No one is entitled to bid and no contract may be awarded to anyone who does not possess a valid general contractor's license and the required classification for the municipal type work to be performed. The general contractor's State of Alabama license and classification must appear on the outside of the bid envelope along with the general contractor's name and address, project name and number and date and time of bid opening. Failure to provide this will be cause to reject the bid.

In determining the successful bidder, the Owner will consider in addition to the bid prices, such responsibility factors as characteristics and responsibility, skill, experience, record of integrity in business, and of performance offered and past record of performance on Owner contracts on other similar projects. Any other factors not specifically mentioned or provided for herein, in addition to that of the bid price which would affect the final cost to the Owner, will be taken into consideration in making award of contract. The right is reserved to reject any bid where investigation of the business and technical organization of the bidder available for the contemplated work, including financial resources, equipment, and experience on similar projects does not satisfy the Owner that such bidder is qualified to perform the work. The City Council of the City of Huntsville reserves the right to reject any and all bids and to waive informalities.

Primary considerations in the award of this contract shall be a combination of qualifications and price. Bidders will be scored on the following areas and the applicable score for each area as follows:

|                               | Points out of 100 |
|-------------------------------|-------------------|
| Company Qualifications        | 20                |
| Company Organization          | 20                |
| Superintendent Qualifications | 10                |
| *Price                        | 50                |

\*Low bidder will receive 50 points. Others will be awarded points based on a percentage calculated by deducting the percentage over the low bid subtracted from 100%. Example: Low bid is \$1,000,000, second low bid is \$1,100,000. Second low bidder receives  $50 \times (100\% - \$100,000/\$1,000,000)$ , or 45 points.

Separate sealed bids for the construction of this project shall be accompanied by Bid Bond in the amount of five percent (5%) of the amount of the bid not to exceed \$10,000.00. Quantities are known as Attachment "A". No bidder may withdraw his bid within ninety (90) days after the actual date of opening. These specifications, the supplemental specifications, the plans, special provisions and all supplementary documents are essential parts of the contract, and a requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete work. In case of discrepancy, calculated dimensions, unless obviously incorrect, shall govern over scaled dimensions. Supplemental Specifications shall govern over the Standard Specifications for Construction of Public Improvements Contract Projects. Plans shall govern over Standard Specifications for Construction of Public Improvements Contract Projects. Special Provisions shall govern over Standard Specifications for Construction of Public Improvements Contract Projects, Supplemental Specifications, and Plans. All bid openings and any scheduled pre-bid conferences are open to the public and will be held in the Public Services Conference Room on the 1st Floor at 320 Fountain Circle, Huntsville, Alabama, unless otherwise noted.

All references to OWNER shall mean City of Huntsville, Alabama. All references to City Engineer shall mean OWNER.

### **2. PROPOSAL PREPARATION**

(A) Proposal Form. The bidder's proposal must be submitted on the complete original proposal form furnished him by the City. Unless otherwise provided in the proposal, joint venturers may submit a proposal for a joint venture of qualified bidders on a proposal form issued to one of them, provided each venturer has taken out a proposal and provided the proposal is signed by each co-venturer.

(B) Details. On the proposal form, the bidder shall enter in numbers a unit price and the extended amount bid (unit price x quantity) in the appropriate column for each bid item, exclusive of those items for which a fixed contract unit price and extension amount are shown. On lump sum items an entry shall be shown in the amount bid column. If a bidder wishes to bid an item free, then he shall enter 0 (zero) in both the unit price column and amount bid column. After all extensions are made, the bidder shall total the extended amounts of the bid items and show his total bid amount in the appropriate place on the proposal form. All figures shall be legibly shown in ink or typed. Any interlineation, erasure or other alteration of a figure shall be initialed by the signer of the proposal. The City will check the extension of each item given in the proposal and correct all errors and discrepancies. In case of a discrepancy between a unit bid price and the extension amount, the unit price shall govern. The sum of the extension amounts will be the contract bid price. The undersigned bidder further understands that any deletions or additions designated on the outside of the bid envelope, must indicate the particular bid item relative to the deletion or addition, even if the deletion or addition references to deduct or add to the Total Base Bid.

(C) Signing. The bidder's proposal must be signed with ink by the individual, by one or more members of the partnership, by one or more members or officers of each firm representing a joint venture, or by one or more officers of a corporation or by an agent of the Contractor legally qualified and acceptable to the City. If the proposal is made by an individual, his name and post office address must be shown; by a partnership, the name and post office address of each partnership member must be shown; as a joint venture, the name and post office address of each member or officer of the firms represented by the joint venture must be shown; by a corporation, the name of the corporation and the business address of its corporate officials must be shown. The proposal bid bond, if bid bond is tendered, shall be properly signed by the bidder and the surety.

(D) Irregular Proposals. Proposals will be considered irregular and will be rejected if they contain any omissions, alteration of form, additions not called for, incomplete bids (includes failure to enter a unit bid price on a bid item or, in the case of an alternate, the alternate being bid by the Contractor), interlineations, erasures or alterations not initialed by the person signing the proposal, or other irregularities of any kind. Bids that are not signed will be considered non-responsive and will be rejected. No proposal will be opened that does not contain the contractor's Alabama State license number. Proposals may be rejected at any time prior to the execution of the contract. Any bidder using the same or different names for submitting more than one proposal upon any project will be disqualified from further consideration on that project.

(E) Delivery of Proposals. Each proposal for each contract shall be placed, together with the proposal guaranty, in a sealed envelope on the outside of which is written in large letters "Proposals for Work" and so marked as to indicate the project name, project number, bidder name, and State license number. Proposals will be received by the OWNER or his representative unless otherwise provided until the hour and date set in the notice to Contractors for the opening thereof. No proposal will be considered which has not been received prior to the hour and date set for the opening of bids. Proposals received after that time will be returned. No proposal will be opened that does not contain the contractor's Alabama State license number.

### **3. QUANTITIES**

The undersigned bidder understands that when unit prices are called for, the quantities shown herein are approximate only and are subject to increase or decrease, and offers to do the work whether the quantities are increased, or decreased, at the unit prices stated in the proposal. Any substantial changes requiring an increase must be approved by change order prior to work and authorized by City Council Action. The undersigned bidder also understands that when lump sum bids are called for, he will be required to furnish all equipment, labor, material and other items or cost to construct a complete facility. See Attachment "A" - Bid Quantities or revised Attachment if quantities have changed after pre-bid meeting.

### **4. CHANGE ORDERS**

#### **(A) Changes in the Work**

Without invalidating the agreement, the owner may, at any time or from time to time, order additions, deletions or revisions in the work; these will be authorized by change orders. Upon receipt of a change order, the contractor will proceed with the work involved. All such work shall be executed under the applicable conditions of the contract documents. A change order signed by the contractor indicates his agreement.

The OWNER may authorize minor changes or alterations in the work not involving extra cost and not inconsistent with the overall intent of the contract documents. These may be accomplished by a field order.

Additional work performed by the contractor without authorization of a change order will not entitle him to an increase in the contract price or an extension of the contract time, except in the case of an emergency.

The owner will execute appropriate change orders prepared by the engineer covering changes in the work to be performed and work performed in an emergency and any other claim of the contractor for a change in the contract time or the contract price which shall be approved by the OWNER.

It is the contractor's responsibility to notify his surety of any changes affecting the general scope of the work or change in the contract price and the amount of the applicable bonds shall be adjusted accordingly. The contractor will furnish proof of such adjustment to the owner.

#### **(B) Change of Contract Price.**

The contract price may only be changed by a change order. Any claim for additional compensation shall be based on written notice delivered to the Owner and Engineer within ten (10) days of the occurrence of the event giving rise to the claim. Notice of the extent of the claim with supporting data shall be delivered within forty-five (45) days of such occurrence unless OWNER allows an additional period of time to ascertain more accurate data. The contract price constitutes the total compensation payable to the contractor for performing the work. All duties, responsibilities and obligations assigned to or undertaken by the contractor shall be at his expense without changing the contract price. The owner may at any time without notice to the sureties, by written order designated or indicated to be a change order, make any change in the work within the general scope of the contract, including but not limited to changes: (1) in the specifications (including drawings and designs); (2) in the



method or manner of performance of the work; (3) in the owner-furnished facilities, equipment, materials, services, or site; or (4) directing acceleration in the performance of the work. Any other written order or an oral order from the owner which causes any such change, shall be treated as a change order under this clause, provided that the contractor gives the owner written notice stating the date, circumstances, and source of the order and that the contractor regards the order as a change order.

**(C) Change in the Contract Time.**

The contract time may only be changed by a change order. Any claim for an extension in the contract time shall be based on written notice delivered to the owner and engineer within ten (10) days of the occurrence of the event giving rise to the claim. Notice of the extent of the claim with supporting data shall be delivered within forty-five (45) days of such occurrence unless OWNER allows an additional period of time to ascertain more accurate data. All claims for adjustment in the contract time shall be determined by OWNER if owner and contractor cannot otherwise agree. Any change in the contract time resulting from any such claim shall be incorporated in a change order. The contract time will be extended in an amount equal to time lost due to delays beyond the control of contractor if he makes a claim as provided above. Such delays shall include, but not be restricted to, acts or neglect by any separate contractor employed by owner, fires, floods, labor disputes, epidemics, abnormal weather conditions, or acts of God.

All time limits stated in the contract documents are of the essence of the agreement. The provisions shall not exclude recovery for damages (including compensation for additional professional services) for delay by either party. No claim for delay shall be allowed because of failure to furnish drawings until two weeks after demand for such drawings and not then unless such claim be reasonable.

**(D) Time extension for abnormal weather conditions**

In order for the owner to award a time extension for abnormal weather, the following conditions must be satisfied:

1. The weather experienced at the project site during the contract period must be found to be unusually severe, that is, more severe than the adverse weather anticipated for the project location during any given month.
2. The unusually severe weather must actually cause a delay to the completion of the project. The delay must be beyond the control and without fault or negligence of the contractor.

The following table of monthly anticipated adverse weather delays is based on National Oceanic and Atmospheric Administration (NOAA) and similar data for the project location and will constitute the base line for monthly weather time evaluations. The Contractor's normal progress schedule must reflect these anticipated adverse weather delays in all weather dependent activities. The contractor's bid shall include the impact of the anticipated lost days in his quotation for the time he is to be on site.

| JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 11  | 8   | 6   | 4   | 4   | 5   | 6   | 4   | 4   | 3   | 4   | 8   |

Actual adverse weather delay days must prevent work on critical activities for 50% or more of the contractor's scheduled work day before it is considered a weather delay day.

**5. MAINTAIN OFFICE**

The successful contractor shall establish an office in Huntsville, Alabama, with telephone service, and shall maintain close liaison with the OWNER.

**6. SUBCONTRACTORS**

The prime contractor shall be responsible for all work covered under the executed contract; therefore, this responsibility cannot be shifted by subcontracting the work to others. All subcontractors shall be approved by the OWNER and shall be properly licensed as required by Alabama State Law. (Code of Alabama §§ 34-8-1 and 34-8-2 (1975) AND 34-8-1, 34-8-2, 34-8-4, 34-8-6, 34-8-7, 34-8-8 AND 34-8-9 (AMENDED 1996)) A list of all subcontractors proposed for use on the project shall be provided to the OWNER at the time that bids are received. This document will be known as ATTACHMENT "C". Lien waivers will be required from all subcontractors at the time of submittal of the final payment request. Contractor shall keep the "Subcontractor's Listing" updated throughout the project duration and submit a copy of the listing with the request for final payment. Noncompliance with this request may cause delay in payment to the Contractor.

All subcontractors must be approved in writing by Owner. If the subs listed on Attachment "C" are approved by the Owner, you will be notified in your notice to proceed. Any additional subcontractors needed during the contract period shall be approved by written letter from the Owner. If subcontractors are not approved, you will be notified prior to approval of contract by City Council. See Section 39 for Correction to City of Huntsville Standards Specifications for Construction.

## **7. BID BOND**

Accompanying this proposal is a certified check or original signed, dated and sealed bid bond in the amount of not less than five percent (5%) of the total amount shown on the schedule of prices, not exceeding \$10,000.00 dollars, payable to the City of Huntsville, Alabama, which is to be forfeited, as liquidated damages, if, in the event that his proposal is accepted, the undersigned shall fail to execute the contract and furnish a satisfactory contract bond under the conditions and within the time specified in this proposal; otherwise, said certified check or bid bond is to be returned to the undersigned.

## **8. N/A**

## **9. LIABILITY INSURANCE (SEE ALSO ATTACHED INSURANCE FOR CONTRACTORS, WHICH IS SHOWN AS SECTION 24.)**

The Contractor shall provide and maintain comprehensive general public liability insurance protecting the Contractor and the City against claims arising out of or resulting from the Contractor's operation under his contract for personal injury or property damage with minimum combined single limits of \$1,000,000, whether such operations are performed by himself, or by anyone directly or indirectly employed by them. In addition, a copy of the policy may be requested upon award. Certificates of insurance acceptable to the City shall be filed with the City prior to commencement of work and said certificate shall provide that policies will not be altered or canceled until at least 30 days prior written notice has been given to the City.

The Contractor shall indemnify and hold the OWNER, its officers and employees harmless from any suits, claims, demands, damages, liabilities, costs and expenses including reasonable attorney's fees, arising out of or resulting from the performance of the work. Certificates of Insurance are required naming the City as the Certificate Holder. The Certificates should reflect the insurance coverage required herein. The Certificates are to be signed by a person authorized by the Insurer to bind coverage on its behalf and must be an original signature. Certificates signed using digital signatures will not be accepted unless accompanied by a written statement from the insurance/surety company indicating that their electronic signature is intended as their signature. The Certificates must indicate coverage will not be canceled or non-renewed except after thirty (30) days prior written notice to the City at the following address: City of Huntsville, P.O. Box 308, Huntsville, Alabama 35804, Attention: Penny Kelly.

## **10. LICENSES AND CLASSIFICATIONS**

In order to receive the award of this contract, the Contractor shall be required to possess a valid general contractor's license in accordance with Code of Alabama §§34-8-2 (1975) and (1996 amended) Code of Alabama as stated in Section 1 above. This general contractor's license shall be a State of Alabama general contractor's license and shall be maintained throughout the term of this contract. A valid City of Huntsville license shall also be maintained throughout the term of this contract.

The required classification for this project is stated in the Notice to Contractors also known as Attachment "E".

## **11. PERMITS**

Additionally, the contractor shall be required to obtain and pay for all other federal, state or local permits, licenses, and fees which may be necessary or required in order to perform the work detailed herein. A City of Huntsville Contractor's License must be obtained from the City of Huntsville Inspection Department at the time signatures are obtained on contracts. A copy of City of Huntsville license shall be provided to the OWNER at the time the contract is executed.

## **12. PAYMENT**

The OWNER agrees to pay the Contractor as follows: Once each month per project, the OWNER shall make partial payment to the Contractor on the basis of duly certified and approved estimates of the work performed during the preceding month by the Contractor, less five percent (5%) of the amount of such estimate, which is to be retained by the City until all of the work has been performed. Owner reserves the right to withhold payments for, but not limited to: a) defective work not remedied or defective materials not removed from site; b) claims filed, or reasonable evidence indicating imminent filing of claims against the Contractor; c) failure of the Contractor to make payments properly to subcontractors for labor, materials and equipment; d) a reasonable doubt that the Contract can be completed for the balance then unpaid; e) damage to another Contractor; f) performance of work in violation of the terms of the Contract; g) expiration of Contract time. Liquidated damages will be deducted from all invoices when the invoice estimate period end date is later than the contract completion date. All pay requests will be submitted by hard copy and on disk. The hard copy will be printed from the disk. A sample copy of the invoice is attached as Attachment "F". The OWNER will provide the disk to the contractor. Two originals and two copies of the invoices are required before payment will be made. The disk should be submitted each month, along with the originals and copies, to the Administrative Officer in the Engineering Department. No further retainage will be held after fifty percent (50%) of the contract is complete. All payments to Contractor will be made as soon as practical after the approval and finance processes have been completed. SEE SECTION 32 FOR INFORMATION ON FINAL PAYMENT.

## **13. N/A**

#### **14. EXAMINATION OF PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, and SITE WORK**

Before submitting a proposal, bidders shall examine carefully the site of the proposed work, the general and local conditions, the proposal form, standard specifications, supplemental specifications, special provisions, and the bid bond form, and it is mutually agreed that the submission of a proposal shall be prima facie evidence that the bidder has made such examination and has judged for and satisfied himself as to the conditions to be encountered in performing the work, and to the requirements of plans, standard specifications, supplemental specifications, special provisions, contract, and bonds. No adjustments or compensation will be allowed for losses caused by failure to comply with this requirement. Boring logs and other records of subsurface investigations may be available for inspection by bidders. Bidders shall request such records if they are not otherwise provided with bid documents. If available, it is understood that such information was obtained and is intended for the City of Huntsville's design and estimating purposes only. It is made available to bidders that they may have access to identical subsurface information available to the City, and is not intended as a substitute for personal investigation, interpretations and judgment of the bidders. Bidders are advised that the City disclaims responsibility for any opinions, conclusions, interpretations, or deductions that may be expressed or implied in any of the information presented or made available to bidders; it being expressly understood that the making of deductions, interpretations, and conclusions from all of the accessible factual information is the bidder's sole responsibility.

The Contractor shall have a continuing duty to read, carefully study and compare each of the Contract Documents, the Shop Drawings, and the Product Data and shall give written notice to the Owner of any inconsistency, ambiguity, or error omission which the Contractor may discover with respect to these documents before proceeding with the affected work. The issuance or the express or implied approval by the Owner or the Engineer of the Contract Documents, Shop Drawings, or Product Data shall not relieve the Contractor of the continuing duties imposed hereby, nor shall any such approval be evidence of the Contractor's compliance with this Contract. The Owner has requested the Engineer to only prepare documents for the Project, including drawings and specs for the project which are accurate, adequate, consistent, coordinated and sufficient for construction. HOWEVER, the OWNER MAKES NO REPRESENTATION OR WARRANTY OF ANY NATURE WHATSOEVER TO THE CONTRACTOR CONCERNING SUCH DOCUMENTS. By the execution hereof, the contractor acknowledges and represents that it has received, reviewed, and carefully examined such documents, has found them to be complete, accurate, adequate, consistent, coordinated and sufficient for construction, and that the Contractor has not, does not, and will not, rely upon any representation or warranties by the Owner concerning such documents as no such representation or warranties have been or are hereby made.

#### **15. INCLUSIONS TO CONTRACT**

The parties further agree that the advertisement for bids, instructions to bidders, contractor's proposal, plans and specifications, general requirements, supplement to general requirements and general terms and conditions, together with any addenda thereto, made prior to submission of the contractor's proposal and all modifications agreed to by the parties and issued after the execution of this contract are a part of this contract as if fully set out herein.

#### **16. COMMENCEMENT OF WORK**

It is further understood and agreed that the Contractor shall commence work to be performed under this contract within fifteen (15) days from the date of this contract, unless otherwise instructed in writing by the OWNER. All work shall be carried on continuously to completion.

#### **17. CONTRACT TIME**

All work is to be completed within the allotted time of the original contract, which is stated in the bid proposal documents, unless a valid change order has been issued which alters the contract time period.

#### **18. LIQUIDATED DAMAGES**

It is further understood and agreed by and between the parties to this contract, that in the event the work to be performed under this contract is not completed at the expiration of the contract time, then, and in that event, the Contractor shall pay to the City the amounts per calendar day by the schedule shown in the schedule in the City of Huntsville Standard Specifications, Section 80.11 – "Schedule of Liquidated Damages" for each day thereafter until such work is completed. The City will deduct said sum or sums from any money due the Contractor under this contract for any and all invoices submitted after the contract due date. (See Section 12.). Attachment "F" – Sample of Request for Payment with Liquidated Damages shall become a part of the contract documents. Liquidated damages will be deducted from all invoices when the invoice estimate period end date is later than the contract completion date.

**Section 80.11 – "Schedule of Liquidated Damages" has been amended as follows effective 2/1/11 and revised in COH specifications 3/7/11:**

| Original Contract Amount |                  | Liquidated Damages Daily Charge |          |
|--------------------------|------------------|---------------------------------|----------|
| More Than                | To and Including | Calendar Day or Fixed Date      | Work Day |
| \$ 0                     | \$ 100,000       | \$ 200                          | \$ 400   |
| \$ 100,000               | \$ 500,000       | \$ 550                          | \$ 1,100 |
| \$ 500,000               | \$ 1,000,000     | \$ 900                          | \$ 1,800 |
| \$ 1,000,000             | \$ 2,000,000     | \$ 1,350                        | \$ 2,700 |
| \$ 2,000,000             | .....            | \$ 1,550                        | \$ 3,100 |

When the contract time is on the calendar day or date basis, the schedule for calendar days shall be used. When the contract time is on a work day basis, the schedule for work days shall be used.

Amounts in accordance with ALDOT and COH specifications and is based on contract amount before Change Orders.

**19. STORAGE OF MATERIALS**

The Contractor shall not permit the storage of materials on or use of any property outside the right-of-way easement or property identified as the project site.

**20. TRAFFIC FLOW**

The Contractor shall be responsible for the uninterrupted, orderly and safe flow of traffic around, on, over or across the project site.

**21. TERMINATION FOR CONVENIENCE**

A. The City may for any reason whatever terminate performance under this Contract in whole or in part by the Contractor for convenience. The City shall give written notice of such termination to the Contractor specifying when the full or partial termination becomes effective.

B. The Contractor shall incur no further obligations in connection with the Work and the Contractor shall stop Work when such termination becomes effective. The Contractor shall also terminate outstanding orders and subcontracts and shall not purchase any additional supplies, equipment or materials for the Work, and shall make every effort to mitigate the costs of termination. The Contractor shall settle the liabilities and claims arising out of their termination of subcontracts and orders. The City may direct the Contractor to assign the contractor's right, title and interest under terminated orders or subcontracts to the City or its designee and may direct the Contractor to take steps to preserve the Work in place at the time of the termination.

C. The Contractor shall transfer title and deliver to the Owner such completed Work and materials, equipment, parts, fixtures, information and Contract rights as the Contractor has.

D. (1) The Contractor shall submit a termination claim to the City and the Consultant specifying the amounts due because of the termination for convenience together with costs, pricing or other data required by the City. If the Contractor fails to file a termination claim within six (6) months from the effective date of termination, the owner shall pay the Contractor, an amount derived in accordance with subparagraph (3) below.

(2) The City and the Contractor may agree to the compensation, if any, due to the Contractor hereunder.

(3) Absent agreement to the amount due to the Contractor, the City shall pay the Contractor the following amounts:

(a) Contract prices for labor, materials, equipment and other services accepted under this Contract.

(b) Reasonable costs incurred in preparing to perform and in performing the terminated portion of the work, and in terminating the Contractor's performance, plus a fair and reasonable allowance for overhead and profit thereon (such profit shall not include anticipated profit or consequential damages); provided, however, that if it appears that the Contractor would not have profited or would have sustained a loss if the entire Contract would have been completed, no profit shall be



allowed or included and the amount of compensation shall be reduced to reflect the anticipated rate of loss, if any. Costs incurred in performing the terminated portion of the work must have been incurred prior to the effective date of the termination.

- (c) Reasonable costs of settling and paying claims arising out of the termination of subcontracts or orders pursuant to Paragraph B of this clause. These costs shall not include amounts paid in accordance with other provisions hereof.

The Total Sum to be paid the Contractor under this clause shall not exceed the total Contract Price, as properly adjusted, reduced by the amount of payments otherwise made, and shall in no event include duplication of payment.

The Owner specifically reserves the right to convert a termination for convenience into a termination for cause within one (1) year after the effective date of the termination for convenience, in the event that the Owner becomes aware of circumstances or conditions with regards to the Work that would have warranted the Owner terminating for default, had those circumstances or conditions been properly known by the Owner, at the time of the termination for convenience. The Owner may, upon written notice to the Contractor of its intention to convert the termination for convenience to a termination for cause, initiate the termination for cause procedures at that time, as set forth in the Performance Bond, and the termination for convenience shall then be converted to a termination for cause.

#### **16. TERMINATION FOR CAUSE**

- A. If the Contractor persistently or repeatedly refuses or fails to prosecute the work in a timely manner, supply enough properly skilled workers, supervisory personnel or proper equipment or material, or if it fails to make prompt payment to Subcontractors or for materials or labor, or persistently disregards laws, ordinances, rules, regulations, or orders of any public authority having jurisdiction, or otherwise is guilty of a substantial violation of a material provision of this Contract, then the Owner may, by written notice to the Contractor, without prejudice to any other right or remedy, terminate the employment of the Contractor and take possession of the site and of all materials, equipment, tools, construction equipment, and machinery thereon owned by the Contractor and may finish the Work by whatever methods it may deem expedient. In such case, the Contractor shall not be entitled or receive any further payment until the Work is finished.
- B. If the unpaid balance of the Contract Price exceeds the cost of finishing the work, including compensation for the additional professional services and expenses made necessary thereby, such excess shall be paid to the Contractor. If such costs exceed the unpaid balance, the Contractor shall pay the difference to the City. This obligation for payment shall survive the termination of the Contract.
- C. In the event the employment of the Contractor is terminated by the City for cause pursuant to Paragraph A and it is subsequently determined by a court of competent jurisdiction that such termination was without cause, such termination shall thereupon be deemed a Termination for Convenience and the provisions of the Termination for Convenience clause shall apply.

#### **17. UNBALANCED BIDS**

The City may reject a bid as nonresponsive if the prices bid are materially unbalanced between line items. A bid is materially unbalanced when it is based on prices which are significantly overstated or understated in relation to cost for other work, and if there is a reasonable doubt that the bid will result in the lowest overall cost to the City even though it may be the low evaluated bid.

#### **18. ADDITIONAL INSURANCE REQUIREMENTS**

The Contractor shall carry insurance of the following kinds and amounts in addition to any other forms of insurance or bonds required under the terms of the contract specifications. The Contractor shall procure and maintain for the duration of the job until final acceptance by the Owner, or as later indicated, insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors.

##### **A. MINIMUM SCOPE OF INSURANCE**

###### **1. General Liability**

Insurance will be written on an occurrence basis. Claims-made coverage will be accepted only on an exception basis after the Owner's approval. General Liability Coverage and Owners Contractors Protective Insurance should be written by this same insurance company.

#### Commercial General Liability

Products and Completed Operations  
Contractual  
Personal Injury  
Explosion, Collapse and Underground  
Broad Form Property Damage

#### 2. Professional Liability

N/A

#### 3. Automobile Liability

Business Automobile Liability providing coverage for all owned, hired and non-owned autos. Coverage for loading and unloading shall be provided under either automobile liability or general liability policy forms.

#### 4. Worker's Compensation Insurance

Statutory protection against bodily injury, sickness or disease or death sustained by employee in the scope of employment. Protection shall be provided by a commercial insurance company or a recognized self-insurance fund authorized before the State of Alabama Industrial Board of Relations.

#### 5. Employers Liability Insurance

Covering common law claims of injured employees made in lieu of or in addition to a worker's compensation claim.

### B. MINIMUM LIMITS OF INSURANCE

#### 1. General Liability

Commercial General Liability on an occurrence form for bodily injury and property damage:

|             |                                           |
|-------------|-------------------------------------------|
| \$2,000,000 | General Aggregate Limit                   |
| \$2,000,000 | Products - Completed Operations Aggregate |
| \$1,000,000 | Personal and Advertising Injury           |
| \$1,000,000 | Each Occurrence                           |

#### 2. Professional Liability

N/A

#### 3. Automobile Liability

\$1,000,000 Combined Single Limit per accident for bodily injury and property damage.

#### 4. Worker's Compensation

As required by the State of Alabama Statute.

#### 5. Employers Liability

|           |                         |
|-----------|-------------------------|
| \$100,000 | Bodily Injury           |
| \$500,000 | Policy Limit by Disease |

### C. OTHER INSURANCE PROVISIONS

The Owner is hereby authorized to adjust the requirements set forth in this document in the event it is determined that such adjustment is in the Owner's best interest. If the insurance requirements are not adjusted by the Owner prior to the Owner's release of specifications with regard to the project in questions, then the minimum limits shall apply.

The policies are to contain, or be endorsed to contain, the following provisions:



1. General Liability and Automobile Liability Coverages Only:

a. The Owner, its officers, employees, agents and specified volunteers are to be covered as Additional Insureds, as their interest may appear, as respects: liability arising out of activities performed by or on behalf of the contractor, architect, engineer, land surveyor or consulting firm for products used by and completed operations of the Contractor, or automobiles owned, leased, hired or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the Owner, its officers, employees, agents or specified volunteers.

b. The Contractor's insurance coverage shall be primary insurance as respects the Owner, its officers, employees, agents, and specified volunteers, as their interest may appear. Any insurance or self-insurance maintained by the Owner, its officers, officials, employees, agents or specified volunteers shall be excess of the Contractor's insurance and shall not contribute to it.

c. The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

2. All Coverages

a. The Contractor is responsible to pay all deductibles. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the Owner. Cancellation of coverage for non-payment of premium will require ten (10) day's written notice to the Owner.

b. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Owner, its officers, employees, agents or specified volunteers.

**D. ACCEPTABILITY OF INSURERS**

Insurance is to be placed with insurers with an A. M. Best's rating of no less than B + V.

**E. VERIFICATION OF COVERAGE**

The Owner shall be indicated as a Certificate Holder and the Contractor shall furnish the Owner with Certificates of Insurance reflecting the coverage required by this document. The A.M. Best Rating and deductibles, if applicable, shall be indicated on the Certificate of Insurance for each insurance policy. The certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. All certificates are to be received and approved by the Owner before work commences. The Owner reserves the right to require complete, certified copies of all required insurance policies at any time. Certificates signed using digital signatures will not be accepted unless accompanied by a written statement from the insurance/surety company indicating that their electronic signature is intended as their signature.

**F. SUBCONTRACTOR WORKING FOR GENERAL CONTRACTOR, OR ARCHITECT, ENGINEERS, LAND SURVEYORS OR CONSULTING FIRMS WORKING FOR THE ENGINEER OF RECORD**

The Contractor shall include all subcontractors as insured under its policies or shall furnish separate certificates and/or endorsements for each subcontractor. The Engineer of Record shall include all architects, engineers, land surveyors or consulting firms as insured under its policies other than professional liability, or shall furnish separate certificates and/or endorsements for each architect, engineer, land surveyor or consulting firm. Subcontractors working for the contractor or architects, engineers, land surveyors, or consulting firms working for the Engineer of Record shall be required to carry insurance.

**G. HOLD HARMLESS AGREEMENT**

1. Other Than Professional Liability Exposures

The Contractor, architect, engineer, land surveyor or consulting firm, to the fullest extent permitted by law, shall indemnify and hold harmless the City of Huntsville, its elected and appointed officials, employees, agents and specified volunteers against all claims, damages, losses and expenses, including, but not limited to, attorney's fees, arising out of or resulting from the performance of the work, provided that any such claim, damage, loss or expense (1) is attributable to personal injury, including bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including loss of use resulting therefrom and (2) is caused by any negligent act or omission of the contractor, architect, engineer, land surveyor or consulting firm, or any of their subcontractors, subconsultants, or anyone directly or indirectly employed by any of them or anyone for whose acts they are legally liable. Such obligation should not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which would otherwise exist as to any party or person described in this paragraph.

2. The architect, engineer, land surveyor or consulting firm agrees that as respects to negligent acts, errors, or omissions in the performance of professional services, to indemnify and hold harmless the City of Huntsville, its officers, agents, employees, and specified volunteers from and against any and all claims, demands, losses and expenses including, but not limited to attorney's fees, liability, or consequential damages of any kind or nature resulting from any such negligent acts, errors, or omissions of the architect, engineer, land surveyor or consulting firm or any of their subconsultants, or anyone directly or indirectly employed by any of them or anyone for whose acts they are legally liable.

#### **19. DOMESTIC PREFERENCES**

In the performance of this contract, the contractor shall comply with Ala Code (1975) §§ 39-3-1 through 39-3-5 in supplying steel, materials, supplies, other products, and labor. Failure to comply with these requirements shall subject the contractor to the penalties set forth in the sections of the Alabama Code set forth above.

#### **20. TIME IS OF THE ESSENCE**

Time is of the essence in the performance of this contract.

#### **21. NO DAMAGES FOR DELAYS**

In the event that the Contractor is delayed in the performance of the work for the reasons set forth in § 80.09 of the City of Huntsville's Standard Specifications for the Construction of Public Improvements, Contract Projects, 1991, then the Contractor's recovery for such delay shall be limited to the extensions of time in contract performance in accordance with the provisions of §80.09 and in §4(c) "Changes in Contract Time" as set forth in the Request for Bids.

In such circumstances, time extensions are the sole remedy provided to the Contractor. The Contractor shall make no claim for extra compensation due to delays of the project beyond his control. Such delays may include those caused by an act of neglect on the part of the owner or the engineer, or by an employee of either, or by any separate contractor employed by the Owner, or by any changes ordered in the work, or by labor disputes, fire, unusual delays in transportation, adverse weather condition not reasonably anticipatable, unavoidable casualties, or by delay specifically authorized by the owner in writing pending the resolution of any disputes, or by any other cause which the Owner determines may justify delay.

#### **22. CONTRACTOR RESPONSIBLE FOR LOCATING UTILITIES PRIOR TO CONSTRUCTION INITIATION**

The Contractor's attention is specifically directed to §50.07 -Cooperation with Utilities and Non-Highway Public Facilities of the City of Huntsville's Standard Specifications for the Construction of Public Improvements, Contract Projects, 1991. In addition to the responsibilities placed on the Contractor by that clause, the Contractor shall be responsible for having existing utilities located prior to excavations. The existence and location of any underground utility pipes or structures shown on these drawings have been obtained by a search of the available records. The City assumes no responsibility as to completeness or accuracy of the depicted location on these drawings. The Contractor shall be responsible for taking precautionary measures to protect the utility lines shown and all other lines not of record or not shown on these drawings by verification of their location in the field prior to the initiation of the work.

#### **23. CORRECTION TO CITY OF HUNTSVILLE'S STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF PUBLIC IMPROVEMENTS, CONTRACT PROJECTS, 1991**

§80.09 (b) 2. of the City of Huntsville's Standard Specifications for the Construction of Public Improvements, Contract Projects, 1991 refers to the definition of recovery time as being set forth in Section 10.01. Inasmuch as this definition was omitted from §10.01, the following definition shall be incorporated :

**Recovery Time.** Recovery time is defined as the time required, after the controlling item or items of work have been substantially damaged as a result of conditions and causes beyond the control of the Contractor and not due to his negligence of fault, to restore the work to the condition existing prior to such damage so that normal operations can be resumed on the contract pay items. Recovery time shall be the number of days required by the Contractor, working with normal forces, to restore the work as described above.

#### **24. WARRANTIES**

Contractor shall provide a minimum of one year warranty of all materials and services from date of final completion. Additionally, all manufacturer's warranties on materials used in providing the services shall be provided to the owner with the final payment request. Separate warranty bonds may be required on specialty items as determined by the Owner and will be shown as a separate line item in the quantities prior to bidding.

## **25. COORDINATION WITH OTHER CONTRACTORS**

It shall be the responsibility of the contractor to coordinate with other separate contractors who may be working on the site or an adjacent site with regards to access to the site, storage of materials and working on a non-interference basis.

## **26. W-9 TAXPAYER FORM**

All vendors/contractors are required to submit a Federal Tax Form W-9 to City of Huntsville at the time a contract is awarded, unless vendor/contractor is already registered and doing business with the City. No payments of invoices can be made until this W-9 Tax Form has been properly submitted. A copy of the W-9 Tax Form can be obtained at the following website: [www.irs.ustreas.gov/pub/irs-pdf/fw9.pdf](http://www.irs.ustreas.gov/pub/irs-pdf/fw9.pdf)

## **27. FINAL PAYMENT**

Final payment to construction contractor will be made after contractor provides the following: advertising of completion for four (4) consecutive weeks, lien waivers have been provided from all subcontractors, Record Drawings (As-Builts) have been submitted to the OWNER by construction contractor, all property pins have been reset by a licensed land surveyor hired by the construction contractor to meet "Standards of Practice for Surveying in the State of Alabama" as required by the Alabama Board of Registration for Engineering and Land Surveyors, and all construction signs have been removed. This final payment will be retainage only. All work shall be complete prior to advertisement of completion. Advertisement of completion shall be in a Huntsville local newspaper. The final payment request of retainage only shall be submitted along with two (2) original, certified copies (with raised notary seal) of the advertisement of completion, warranties, lien waivers and Record Drawings. The advertisement of completion must read as follows:

### **LEGAL NOTICE (Header)**

\_\_\_\_\_(company name)\_\_\_\_\_ hereby gives Legal Notice of Completion of Contract with \_\_\_\_\_(project name)\_\_\_\_\_, \_\_\_\_\_(project no.(s))\_\_\_\_\_ located in the City of Huntsville, Alabama. All claims should be filed at \_\_\_\_\_(company address)\_\_\_\_\_ during this period of advertisement, i.e. June 17, 24, July 1, 8, 2011 (example of dates).

## **28. PROJECT COMPLETION DATE**

The project completion date will be a date mutually agreed upon by the OWNER and Contractor. This date will be after all items have been completed. Therefore, all work will be complete before any advertisement of completion is made. The completion date will always be before the first advertisement date. This final project completion date will be the date used to determine the one year warranty for all work and materials, unless a separate warranty bond has been called for as a line item prior to bidding.

## **29. RECORD DRAWINGS**

### **POLICY FOR RECORD DRAWINGS**

The purpose of this policy is to document procedures for the preparation and delivery of Record Drawings. Record Drawings shall include all changes in the plans, including those issued as Change Orders, Plan Clarification, Addenda, Notice to Bidders, responses to Requests for Information, Jobsite Memos, and any additional details needed for the construction of the project, but not shown on the plans. After completion of all construction and before final acceptance is made, the Contractor shall submit one set of full size record drawings with dimensioned changes shown in red pencil, and one digital copy of record drawings using the criteria listed below.

#### **City Construction Projects:**

The Contractor shall be responsible for field surveying upon substantial completion of construction (to be performed by a registered land surveyor in Alabama). Contractor is responsible for providing digital record drawings showing all info specified below, as applicable. Record drawings shall be maintained by the Contractor at the work site and shall be updated based on job progress to reflect all changes. Record drawings shall be made available for review on a monthly basis at the job site. A monthly review of record drawings will be part of the monthly monetary progress review. Progress payments may be withheld if the Record Drawings are not kept up-to-date. A late review could result in a delay of payment.

#### **Format Requirements for all record drawing submittals:**

All drawings shall be prepared in Micro Station .DGN format, unless otherwise approved by the City Engineer. Transmittal letters shall consist of a list of files being submitted, a description of the data in each file, and a level/layer schematic of each design file. DGN design files should have working units as follows: master units in feet, no sub-units, and 1,000 positional units. All data submitted shall use NAD 1983 Alabama East Zone coordinates as described in The Code of Alabama (1975), section 35-2-1 and NGVD 1929. Digital files shall be submitted on 4-3/4" CD ROM, 100 MB zip drive, 3 and 1/2 inch floppy

disk, or to the City of Huntsville F.T. P. Site. Contractor is required to certify that record drawings are in the correct format upon submittal. Record Drawings shall be prepared and provided to the OWNER in the manner required and described below in Level Symbolology.

**Record Drawing Criteria, unless otherwise noted by City Engineer:**

**1. Roadways:**

- a. Any changes during construction of roadway/intersections that differ from plan drawings.

**2. Sanitary Sewers:**

- a. Gravity Line
  - i. Horizontal Location of Manholes – Northing and easting Coordinates
  - ii. Vertical Location of Manholes – Lid elevation and Invert elevation.
  - iii. Changes in location of clean outs, or end of service lateral.
  - iv. Changes in length, slope, size, or material of lines.
- b. Force Mains
  - i. Horizontal Location of Air Relief/Vacuum/Isolation Valves – Northing and easting Coordinates
  - ii. Horizontal and Vertical Location of Fittings/Bends
  - iii. Changes in length, size, depth or material of lines
  - iv. Changes in restraint types
- c. Pump Stations
  - i. Changes in Structural Requirements – (length, width, thickness, cover, laps, bar size, spacing, materials, material strengths, etc.)
  - ii. Changes in Site Development and/or Landscaping
  - iii. Changes in Equipment

**3. Storm Drainage:**

- a. Structures (boxes, inlets, end treatments, etc.):
  - i. Horizontal locations of Features – Northing and easting coordinates
  - ii. Vertical location of Features – Tops and Inverts
  - iii. Changes in type, size, or material of feature.
- b. Pipes / Culverts:
  - i. Document length
  - ii. Document slope
  - iii. Document size
  - iv. Document invert elevation
  - v. Changes in material of structure
- c. Flumes, Ditches, and/or Swales/Berms: (the following are minimum requirements).
  - i. Horizontal location (to verify location within described easements)

|                                        |                                                        |
|----------------------------------------|--------------------------------------------------------|
| For easement widths less than 15- feet | At 100-foot intervals along the centerline of feature. |
| For easement widths 15-feet or Greater | At 200-foot intervals along the centerline of feature. |

- ii. Vertical location (to verify positive drainage)

|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| For slopes less than 0.5%  | At 50-foot intervals along the centerline of feature.  |
| For slopes 0.5% or greater | At 100-foot intervals along the centerline of feature. |

- iii. Changes in width or material of feature.
- iv. Changes in location and type of geotechnical fabric used.
- v. Changes in overall grading of site topography.

**d. Detention / Retention Facility:**

- i. Changes in size, location, or material of facility.
- ii. Changes in location and type of geotechnical fabric used.
- iii. Where applicable, copy of maintenance agreement.

**Checklist for review of record drawings:**

- a. Changes in sidewalk location or size.
- b. Changes in shoulder widths.
- c. Changes in grades at intersections. (also to include changes in island location)
- d. Changes in location of driveway aprons.

- e. Changes in pavement section, to be supported by adequate documentation.
- f. Changes in gutter flow line elevation. (could be substituted in 3b) versus edge of pavement).
- g. Geotechnical fabric locations, to include vertical elevation.
- h. Changes in Traffic Engineering related items such as signals, signage and markings, etc.

Any other changes that may have occurred during construction.

#### LEVEL SYMBOLOGY

| DESIGN LEVEL | CONTENTS                                                  | LINE CODE | COLOR | WEIGHT | TEXT SIZE | FONT | CELL NAME |
|--------------|-----------------------------------------------------------|-----------|-------|--------|-----------|------|-----------|
| 1            | State Plane Coordinate Grid                               | 0         | 0     | 0      | 20        | 0    |           |
| 2            | Benchmarks                                                | 0         | 0     | 0      |           |      |           |
| 3            | Street Text                                               | 0         | 3     | 0      | 20        | 0    |           |
| 4            | Street R/W                                                | 7         | 0     | 0      |           |      |           |
| 5            | Street Centerline                                         | 7         | 0     | 0      |           |      |           |
| 6            | Street Pavement                                           | 0         | 3     | 0      |           |      |           |
| 6            | Proposed Street Pavement                                  | 3         | 16    | 0      |           |      |           |
| 7            | Parking Lots                                              | 1         | 3     | 1      |           |      |           |
| 8            | Secondary Roads                                           | 2         | 3     | 0      |           |      |           |
| 8            | Trails                                                    | 3         | 3     | 0      |           |      |           |
| 9            | Secondary Roads/Trails Text                               | 0         | 3     | 0      | 20        | 0    |           |
| 10           | Sidewalks                                                 | 5         | 3     | 0      |           |      |           |
| 11           | Bridges/Culverts                                          | 0         | 0     | 0      |           |      |           |
| 12           | Hydrology - Major                                         | 6         | 1     | 0      |           |      |           |
| 12           | Hydrology - Minor, Ditches                                | 7         | 1     | 0      |           |      |           |
| 13           | Hydrology - Text                                          | 0         | 1     | 0      | 25        | 23   |           |
| 14           | 1. Tailings & Quarries, Athletic Fields/Text, misc. areas | 0         | 1     | 0      |           |      |           |
| 15           | City Limits/County Line                                   | 1         | 0     | 3      |           |      |           |
| 16           | City /limit text                                          | 0         | 0     | 1      | 30        | 0    |           |
| 17           | Railroad Tracks (Patterned)                               | 0         | 2     | 0      |           |      | RR        |
| 18           | Railroad Text                                             | 0         | 2     | 0      | 25        | 0    |           |
| 19           | Railroad R/W                                              | 2         | 2     | 0      |           |      |           |
| 20           | Utility Poles (Cell)                                      | 0         | 5     | 0      |           |      | P POLE    |
| 21           | Utility Easements                                         | 3         | 5     | 0      |           |      |           |
| 22           | Utility Text                                              | 0         | 5     | 1      |           |      |           |
| 23           | Geographic Names                                          | 0         | 3     | 1      |           |      |           |
| 24           | Building Structures                                       | 0         | 0     | 0      |           |      |           |
|              | Pools and Text                                            | 0         | 1     | 0      | 10        | 1    |           |
| 24           | Future Site of Structures                                 | 2         | 0     | 0      |           |      | STRUCT    |
|              | Existing Structures (exact location and shape unknown)    | 2         | 0     | 0      |           |      | STRCEX    |
| 25           | Property Lines                                            | 6         | 6     | 1      |           |      |           |
| 26           | Cadastral Polygons                                        | 6         | 6     | 0      |           |      |           |
| 27           | Ownership Text                                            | 0         | 6     | 1      |           |      |           |
| 28           | Cemeteries/Text                                           | 4         | 6     | 0      | 10        | 1    |           |
| 29           | Lot Numbers                                               |           |       |        | 25        | 0    |           |
| 30           | Block Numbers                                             |           |       |        | 30        | 0    |           |
| 31           | Addition Names                                            | 0         | 0     | 0      | 35        | 0    |           |
| 32           | Open                                                      |           |       |        |           |      |           |
| 33           | Lot Ticks                                                 |           |       |        |           |      |           |
| 34           | Lot Lines/Property Lines                                  | 6         | 6     | 0      |           |      |           |



|    |                                  |   |     |   |       |   |                  |
|----|----------------------------------|---|-----|---|-------|---|------------------|
| 35 | Trees/Hedge Rows                 | 0 | 6   | 0 | AS=1  |   | TREES            |
| 36 | GPS Monuments                    | 0 | 5   | 0 | 15    | 0 | GPS              |
| 37 | 2' Topo Contour                  |   |     |   |       |   |                  |
| 38 | 5' Topo Contour                  | 0 | 7   | 0 |       |   |                  |
| 39 | 25' Major Topo Contour           | 0 | 7   | 0 |       |   |                  |
| 40 | X Spot Elevation                 | 0 | 7   | 0 |       |   |                  |
| 41 | FEMA Monuments/Labels            | 0 | 3/0 | 0 | 18    | 1 | GPSPNT           |
| 42 | Quarter Sections                 |   |     |   |       |   |                  |
| 43 | Section Lines                    | 0 | 5   | 0 |       |   |                  |
| 44 | Features                         | 0 | 2   | 0 |       |   |                  |
| 44 | Cell Towers                      | 0 | 12  | 0 | AS=1  |   | CELTWR           |
| 45 | Fences (Pattern)                 | 0 | 8   | 0 | AS=1  |   | FENCE            |
| 46 | Format/Legend                    | 0 | 0   | 0 |       |   | Limleg<br>Madleg |
| 47 | Mass Points                      | 0 | 7   | 2 |       |   |                  |
| 48 | Break Lines                      | 0 | 7   | 2 |       |   |                  |
| 49 | Open                             |   |     |   |       |   |                  |
| 50 | Signs                            |   |     |   |       |   |                  |
| 51 | Open                             |   |     |   |       |   |                  |
| 52 | Open                             |   |     |   |       |   |                  |
| 53 | Open                             |   |     |   |       |   |                  |
| 54 | Open                             |   |     |   |       |   |                  |
| 55 | Open                             |   |     |   |       |   |                  |
| 56 | Property Address                 | 0 | 1   | 0 |       |   |                  |
| 57 | Text Tag for Buildings           | 0 | 1   | 0 | 10-20 | 1 |                  |
| 58 | Open                             |   |     |   |       |   |                  |
| 59 | Open                             |   |     |   |       |   |                  |
| 60 | Open                             |   |     |   |       |   |                  |
| 61 | Open                             |   |     |   |       |   |                  |
| 62 | Monuments for Setup (point cell) |   |     |   |       |   |                  |
| 63 | Open                             |   |     |   |       |   |                  |

### 30. LIEN WAIVERS

Lien waivers will be required from all subcontractors working for the contractor. These lien waivers shall be included with your final payment package. The contractor is responsible for obtaining signatures from his subcontractors. If no subcontractors are used, contractor must provide a statement indicating such.

### 31. LOWEST RESPONSIBLE BIDDER

For the purpose of determining the lowest responsible bidder, the OWNER shall consider the base bid amount together with any options set forth in the Request for Bids. In the event that the City does not have sufficient funds to award both the base bid and all options, then the City reserves the right to determine the lowest responsible bidder on the base bid only or the base bid and the number of options affordable considering the funds available to the City for the procurement. This method for determining the low bidder is for the purpose of allowing the City to procure the most advantageous bid for the OWNER. City of Huntsville reserves the right to award any and/or all options at any time during the life of the contract.

### 32. NON-RESIDENT BIDDERS

"In awarding the Contract, preference will be given to Alabama resident contractors and a nonresident bidder domiciled in a state having laws granting preference to local contractors shall be awarded the Contract only on the same basis as the nonresident bidder's state awards contracts to Alabama contractors bidding under similar circumstances."

### 33. CORRECTION TO SECTION 80.08(C) of The City of Huntsville "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC IMPROVEMENTS" is revised as shown:

(C) DAYS WORK NOT PERMITTED: The Contractor shall not permit work on any pay item to be done on Sundays and the following holidays: New Year's Day, Martin Luther King's Birthday as nationally observed, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and Christmas Day, except with permission of the Director.



**34. CORRECTION TO SECTION 80 – PROSECUTION AND PROGRESS 80.01 Subletting and Contract. (a) LIMITATIONS**

The Contractor shall not sublet the contract or any portion thereof, or of his right, title, or interest therein, without written consent of the DIRECTOR. If such consent is given, the Contractor will be permitted to sublet a portion of the work, but shall perform with his own organization, work amounting to not less than 30 percent of the total contract cost. Any items designated in the contract as "specialty items" may be performed by sub-contract and the cost of such specialty items performed by sub-contract may be deducted from the total cost before computing the amount of work required to be performed by the contractor with his own organization. No sub-contracts, or transfer of contract, shall relieve the Contractor of his liability under the contract and bonds. The Department reserves the right to disapprove a request for permission to sublet when the proposed Subcontractor has been disqualified from bidding for those reasons listed in Subarticle 20.02(b) and Article 30.03.

**35. CORRECTION TO SECTION 80 – PROSECUTION AND PROGRESS 80.03 Progress Schedule of Operations**

A critical path schedule is required within thirty (30) days after award. The critical path schedule must be submitted in Microsoft Projects format (electronic format and hard copy), with the critical path highlighted. The critical path schedule shall show information on the task or tasks that must be finished on schedule for the project to finish on schedule. Task dependencies, constraints, and relationships shall be shown on the schedule. If the progress report (critical path) is not received, YOUR first pay estimate will NOT BE PROCESSED UNTIL IT IS RECEIVED). See section 80.03 and 80.04 for additional requirements.

**36. CORRECTION TO SECTION 80 – PROSECUTION AND PROGRESS 80.09 (b) Contracts on a Calendar Day or Calendar Date Basis**

§80.09 (b) first paragraph reads: "When the notice to proceed is delayed more than 10 calendar days after execution of the contract, the date of completion will be extended . . ." Shall be amended to read "When the notice to proceed is delayed more than 15 calendar days after execution of the contract, the date of completion will be extended . . ."

Section 80.09(B) is revised to remove the last sentence of the first paragraph: ( "Also where the total cost of the completed work exceeds the total cost shown on the proposal, an extension in calendar days will be granted the Contractor, as provided in Section 80.09(a)1." ) It is replaced by: "Where the scope of work is increased, an extension of time commensurate with the scope of the change may be granted by the OWNER, when in his judgment, the facts justify an extension. The contractor shall provide justification substantiated to the satisfaction of the OWNER with any requests for time extensions. Justification shall include, but not be limited to, a revised schedule showing the impact to critical path tasks."

**37. CORRECTION TO SECTION 105 – EXCAVATION AND EMBANKMENT 105.04 (a) Method of Measurement**

Section 105.04 will remain as stated when estimated borrow material is less than 2500 C.Y.

When estimated borrow material is more than 2500 C.Y., Section 105.04 is revised to remove the last paragraph: "Borrow material will be measured at the point of delivery, inside the delivery truck less 30 percent for shrinkage."

**38. CORRECTION TO SECTION 847 – PIPE CULVERT JOINT SEALERS**

Section 847 is deleted and replaced with Section 846 – Pipe Culvert Joint Sealers, ALDOT Specifications for Highway Construction, Current Edition.

**39. NPDES CONSTRUCTION REQUIREMENTS**

For areas of this project meeting the Alabama Department Of Environmental Management (ADEM) definition of a "Construction Site", the Contractor shall prepare and apply for, pay the necessary fees, post the required registration at the jobsite prior to commencing work, and maintain the worksite and records in accordance with the ADEM requirements for National Pollutant Discharge Elimination System (NPDES) registration. Off site borrow pits utilized in the construction of this project are included in the requirement. NPDES Construction Site is construction that disturbs 1 acre or greater or will disturb less than 1 acre but is part of a larger common plan of development or sale whose total land disturbing activities total 1 acre or greater. An NPDES construction site also includes construction sites, irrespective of size, whose stormwater discharges have a reasonable potential to be a significant contributor of pollutants to a water of the State, or whose stormwater discharges have a reasonable potential to cause or contribute to a violation of an applicable Alabama water quality standard as determined by the Department. The Contractor is referred to the "Alabama Department Of Environmental Management Field Operations Division – Water Quality Program - Division 335 – 6" for complete definitions and requirements. The Contractor is also referred to Item 11 of these General Requirements, sections 50.15, 50.16, and 70.02 of the City of Huntsville Standard Specifications For Construction Of Public Improvements, Contract Projects (Specifications)

Contractor violations of the permit by rule which results in enforcement actions from ADEM including fines and/or work stoppage shall be the responsibility of the Contractor. Fines assessed to the Contractor or the OWNER because of Contractor action shall be paid by the Contractor. No extension of contract time shall be considered as a result of enforcement. Enforcement history will also be considered by the OWNER in its decision to issue future proposals or award future contracts in accordance with disqualification provisions of Section 20.02(b) of the Specifications.

**40. DELETION OF SECTION 50.01 – Authority of the Engineer of Record**

This section is deleted.

**41. SHOP DRAWINGS**

The approval of shop drawings by the Engineer will cover only the features of the design and in no case shall this approval be considered to cover error or omissions in shop details or a check of any dimensions. The Contractor shall be responsible for the accuracy of the shop drawings, the fabrication of materials and the fit of all connections; and he shall bear the cost of all extra work in erection caused by errors in shop drawings or in fabrication, inaccurate workmanship, misfits of connections or for any changes in fabrication necessary. No work shall be done on the material before the shop drawings have been approved. Any material that the Contractor orders prior to the approval shall be at the Contractor's risk.

Substitutions or changes whether indicated or implied on shop drawings will not be considered as changes regardless of the Engineer's approval of shop drawings unless the change has been previously submitted and approved as a change order per the requirements for changes in the contract.

After a shop drawing has been approved, no changes shall be made unless directed in writing to the Owner and acceptance by the Owner of said changes. Any acceptance of change by the Owner does not constitute a change to the contract unless that change has been approved and directed in writing per change order. Compensation for preparing and furnishing all shop and working drawings shall be included in the contract unit prices for the various pay items of work.

**48. E-VERIFY – NOTICE**

The Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975) § 31-13-1 through 31-13-30 (also known as and hereinafter referred to as "the Alabama Immigration Act") as amended by Act No. 2012-491 on May 16, 2012 is applicable to all competitively bid contracts with the City of Huntsville. As a condition for the award of a contract and as a term and condition of the contract with the City of Huntsville, in accordance with § 31-13-9 (a) of the Alabama Immigration Act, as amended, any business entity or employer that employs one or more employees shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama.

During the performance of the contract, such business entity or employer shall participate in the E-Verify program and shall verify every employee that is required to be verified according to the applicable federal rules and regulations. The business entity or employer shall assure that these requirements are included in each subcontract in accordance with §31-13-9(c). Failure to comply with these requirements may result in breach of contract, termination of the contract or subcontract, and possibly suspension or revocation of business licenses and permits in accordance with §31-13-9 (e) (1) & (2).

Code of Alabama (1975) § 31-13-9 (k) requires that the following clause be included in all City of Huntsville contracts that have been competitively bid and is hereby made a part of this contract:

"By signing this contract the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom."

Contractor's E-Verify Memorandum of Understanding shall be a part of the contract bid documents and shall be submitted with the bid package.

**49. CITY OF HUNTSVILLE'S TRAFFIC ENGINEERING DEPARTMENT CONSTRUCTION REQUIREMENTS**

For areas of this project that require removal of traffic loops, striping, markings, rpm's and ceramic markers, the following shall apply:

- 1. TRAFFIC SIGNAL LOOP REPAIRS** – All vehicular and bicycle detector loop replacements shall be in accordance with the Alabama Department of Transportation Standard Specifications for Highway Construction, current edition. Unless otherwise specified, traffic signal loops shall be replaced exactly as existed prior to any paving or resurfacing work. The general contractor will be responsible for documenting location of loops, location of any associated items for loop operation and assuring that loops are replaced exactly as existed prior to paving. All vehicular and bicycle loop repairs shall be replaced within fourteen (14) calendar days after paving work.

2. **TRAFFIC SIGNAL STRIPING, MARKINGS, RAISED PAVEMENT MARKERS AND CERAMIC MARKERS FOR GUIDANCE** - All traffic striping, markings, raised pavement markers and ceramic markers for guidance shall be in accordance with the Alabama Department of Transportation Standard Specifications for Highway Construction, current edition. Unless otherwise specified, traffic striping, markings, raised pavement markers and ceramic markers for guidance shall be replaced exactly as traffic striping, markings, raised pavement markers and ceramic markers for guidance existed prior to any paving or resurfacing work. The general contractor will be responsible for documenting location of all striping, markings, raised pavement markers and ceramic markers for guidance and assuring that all are replaced exactly as existed prior to paving. All traffic striping, markings, raised pavement markers and ceramic markers for guidance shall be reflectorized. All resurfaced areas shall be marked with temporary striping and markings for traffic usage by nightfall each day, 7 days a week, in accordance with State of Alabama regulations. All permanent striping, markings, raised pavement markers and ceramic markers for guidance shall be replaced within thirty (30) calendar days after paving work.

#### **50. SURVIVABILITY OF CONTRACT PROVISIONS**

Termination of this Contract by either party shall not affect the rights and obligations of the parties that accrued prior to the effective date of the termination. Terms and conditions of the contract that survive termination include, but are not necessarily limited to, provisions regarding payments, insurance, termination, warranty, governing law of the contract, liquidated damages, bonding requirements, notice procedures, waiver, and other requirements necessary and appropriate for the proper resolution of disputes, claims, and enforcement of the rights of the parties.

#### **51. SURETY BONDS**

The Contractor shall furnish separate performance and payment bonds to the Owner within fifteen (15) days after the date of acceptance of this proposal by City Council action. Each bond shall set forth a penal sum in an amount not less than the Contract Price. Each bond furnished by the Contractor shall incorporate by reference the terms of this Contract as fully as though they were set forth verbatim in such bonds. In the event the Contract Price is adjusted by Change Order executed by the Contractor, the penal sum of both the performance bond and the payment bond shall be deemed increased by like amount. The performance and payment bonds furnished by the Contractor shall be in forms suitable to the Owner, in conformance with all the requirements of the Code of Alabama (1975), §39, and shall be executed by a surety, or sureties, reasonably suitable to the Owner. All bonds must be approved by the Mayor and the Clerk-Treasurer of the City of Huntsville.

#### **52. GOVERNING LAW**

The Contract shall be governed by the laws of the State of Alabama.

#### **53. ALABAMA IMMIGRATION ACT (Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975))**

Compliance with the requirements of the (Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975) § 31-13-1 through 31-13-30, as amended by Alabama Act 2012-241, commonly referred to as the Alabama Immigration Law, is required for City of Huntsville, Alabama contracts that are competitively bid as a condition of the contract performance. The Contractor shall submit in the bid package, with the requested information included on the form, the "City of Huntsville, Alabama Report of Ownership Form" listed in this document as Attachment "H". The bidder selected for award of the contract may be required to complete additional forms relating to citizenship or alien status of the bidder and its employees, including e-verify information, prior to award of a contract.

#### **54. SUCCESSORS AND ASSIGNS**

The Owner and Contractor bind themselves, their successors and assigns to the other party hereto and to successors and assigns of such other party in respect to covenants, agreements, and obligations contained in this Contract. The Contractor shall not assign this Contract without written consent of the Owner. In no event shall a contract be assigned to an unsuccessful bidder whose bid was rejected because he or she was not a responsible or responsive bidder.

#### **55. WRITTEN NOTICE**

Written notice shall be deemed to have been duly served if delivered in person to the individual or a member of the firm or entity or to an officer of the corporation for which it was intended, or if delivered at or sent by registered or certified mail to the last business address known to the party giving notice.

## **56. RIGHTS AND REMEDIES**

Duties and obligations imposed by the Contract Documents and rights and remedies available there under shall be in addition to and not a limitation of duties, obligations, rights and remedies otherwise imposed or available by law.

No action or failure to act by the Owner, Engineer, or Contractor shall constitute a waiver of a right or duty afforded them under the Contract, nor shall such action or failure to act constitute approval of or acquiescence in a breach there under, except as may be specifically agreed in writing.

## **57. ENTIRE AGREEMENT**

This Contract represents the entire agreement between the Owner and the Contractor and supersedes all prior communications, negotiations, representations or agreements, either written or oral. This agreement may be amended only by written instrument signed by both Owner and Contractor.



# HUNTSVILLE

Kathy Martin, P.E.  
Director  
City Engineer

Urban Development Department  
Engineering Division

**SANITARY SEWER REHABILITATION CURED-IN-PLACE**  
**PIPE INSTALLATION-2013**  
**Project No. 65-13-SP32**  
**July 15, 2013**

**Addendum #1**

The attached pre-bid meeting minutes, all addenda, and attachments for the above-referenced project will become part of the contract documents.

Contractors are authorized to download quantities from website and paste to floppy disk or CD-RW (preferably in a live/flash drive format) of their choice; one or the other must be submitted with the original bid packet. In addition, two hard copies must be submitted and signed with original bid packet. Failure to do so may be cause for rejection of bid. If a price discrepancy is found on bid disk or CD-RW, or the correct version of bid quantities is not submitted on the disk or CD-RW which corresponds to the printed hard copy, then printed hard copy prices submitted with original bid documents, with Contractor signature, will prevail. However, calculations must be accurate and will be verified manually.

- Any bidder who designates a change on the outside of the envelope understands that any deletions or additions designated, bidder must further indicate the particular bid item relative to the deletion or addition, even if the deletion or addition references to deduct or add to the Total Base Bid.

**Revisions to Quantities: (OPTION NO. 1)**

**Delete:**

|                    |                                                               |                |               |
|--------------------|---------------------------------------------------------------|----------------|---------------|
| <del>Item 11</del> | <del>POINT REPAIR (8" -18") (MATERIAL AND INSTALLATION)</del> | <del>100</del> | <del>EA</del> |
|--------------------|---------------------------------------------------------------|----------------|---------------|

**Add:**

|         |                                                   |    |    |
|---------|---------------------------------------------------|----|----|
| Item 11 | POINT REPAIR (8"-18") (MATERIAL AND INSTALLATION) | 10 | EA |
|---------|---------------------------------------------------|----|----|

The Star of Alabama

**Delete:**

|                    |                                                               |                |               |
|--------------------|---------------------------------------------------------------|----------------|---------------|
| <del>Item 12</del> | <del>POINT REPAIR (20" 36") (MATERIAL AND INSTALLATION)</del> | <del>100</del> | <del>EA</del> |
|--------------------|---------------------------------------------------------------|----------------|---------------|

**Add:**

|         |                                                    |    |    |
|---------|----------------------------------------------------|----|----|
| Item 12 | POINT REPAIR (20"-36") (MATERIAL AND INSTALLATION) | 10 | EA |
|---------|----------------------------------------------------|----|----|

**Questions from Contractors:****Base Bid:**

- **Q:** Have the line segments been recently TV and cleaned?  
**A:** The dates of the last cleaning/TV will coincide with the dates on the TV logs accessible online with the other bid documents.
- **Q:** Will we have to purchase water or will water be provided for cleaning and CIPP purposes?  
**A:** Contractor will have to purchase their own water. Meters are available through Huntsville Utilities.
- **Q:** What is the cost of the water if we have to pay for it?  
**A:** Rate schedule is posted on Huntsville Utilities web site:  
<http://www.hsvutil.org/rates/commercial-industrial-rates/>
- **Q:** What is the deposit for the hydrant meter or will one be provided?  
**A:** See above.
- **Q:** Will a dump site be provided or will the contractor have to dispose of the debris collected from the sewers at his own cost?  
**A:** Debris collected from sewer lines may be disposed of at no cost at our Spring Branch WWTP.
- **Q:** If a dump site is provided, where is it located?  
**A:** 1800 Vermont Road.
- **Q:** Will bypass discharge piping be allowed to run along the creek line?  
**A:** In general, bypass piping will parallel the sewer line on top of the bank.
- **Q:** Will the City provide Rights of Entry or will the contractor be responsible for obtaining these from the home owners?  
**A:** The City has easements for all sewer lines. Instances where access to the easement is impeded along the line and alternative access needs to be made through private property will be handled on a case-by-case basis.



- **Q:** If a point repair is encountered in the easement where clearing is needed, will there be a change order or do we need to include this in the price of the point repair?  
**A:** Point repair price is all inclusive.

**Periodic (Option 1)**

- **Q:** On the periodic (option 1), will the mobilization be paid once per year or will we be paid 3% of each work order received?  
**A:** 3% of each work order.

**All addenda are sent via email and recipients are requested to send a confirmation of receipt of all addenda as soon as they are received.** All addenda must be acknowledged either on the outside of the bid envelope or on the third page of your bid proposal known as Attachment "B".

**Attachment: Pre-Bid Minutes  
Revised Attachment "A1"**

**END OF ADDENDUM #1**

## **MANDATORY PRE-BID MEETING**

**PROJECT NAME:** Sanitary Sewer Rehabilitation Cured-in-Place Pipe  
Installation 2013

**PROJECT #:** 65-13-SP32

**DATE:** July 10, 2013

**PROJECT ENGINEER:** Shane Cook

The following people were in attendance at the Pre-Bid Meeting:

|                    |                              |
|--------------------|------------------------------|
| Mat Boatright      | Layne Inliner                |
| John Bourgeois     | Suncoast Infrastructure      |
| Hugh Cornell       | Insituform                   |
| Clayton Washburn   | SAK Construction             |
| Tommy Edwards      | Sunbelt Rentals Pump & Power |
| Bill Davis         | Sunbelt                      |
| Andy Somers        | Croy Engineering             |
| Don Hicks          | Croy Engineering             |
| Mark Huber         | COH-WPC                      |
| Shane Cook         | COH-WPC                      |
| Penny Kelly        | COH-Engineering              |
| Mary Hollingsworth | COH-Engineering              |

1. Introduction of all persons present, their roles, chain of command, importance of submittals to Project Engineer.

Shane Cook- COH Director of WPC  
Mark Huber-COH Collection System Manager  
Bill Thomas- Garver Senior Project Inspector – (not present at the meeting)  
Dale Kinney- Garver Project Inspector – (not present at the meeting)  
Penny Kelly- Engineering Procurement and Contracts Coordinator  
Mary Hollingsworth – Engineering Procurement and Contracts Assistant  
Anthony Priest – WPC Inspector – (not present at the meeting)

2. Project Engineer gave a brief description of work.

The purpose of this project is to provide for rehabilitation of existing sanitary sewer pipes by repairing localized structurally damaged areas (point repairs), if needed, to allow for installation and performance of Cured-in-Place Pipe (CIPP) within the existing sanitary sewer pipes in areas denoted in the plan set. Pipe sizes vary from 8" to 36" in diameter and the Contractor shall encounter pipe materials of several different types. Additionally, there will be an optional periodic portion of the contract to perform point repairs and/or CIPP work on an as-needed, on-call basis. Each periodic project will be designated by the City of Huntsville utilizing unit prices for the commonly performed Contractor work items. All periodic work is intended to be performed within the shortest possible time frame with the work beginning and ending on dates selected by the City of Huntsville. Failure to comply with the times specified in the Notice to Proceed (NTP) may, in the sole determination of the City of Huntsville, result in the Contractor being prohibited from bidding on additional work for the City until such time as Contractor is back on schedule. Contractor must meet experience requirements and be able to respond onsite within twenty-four (24) hours of an emergency call from the Water Pollution Control Department.

Base Bid- 5% performance bond, known quantities, TVI data complete and available. Periodic quantities - \$500K bond that will be administered into two projects of \$250K or less. The first \$250K project would be advertised for four (4) weeks to close out the project while working on the second project if work is assigned on a continual basis.

On the periodic portion of the bid, if any work is awarded, there are no guaranteed numbers on the Periodic items. The Contractor will be given a map and WPC will do estimates on what it will take to do that section of pipe and Contractor will be instructed to go out and do that work. Periodic work will probably be towards the end of the base bid contract. The only difference is on the base bid the bond will be a 5% bond; on the periodic quantities, Contractor will have a \$500,000.00 Performance Bond. If WPC chooses to give the Contractor work off the Periodic bid, they will do projects that are \$250,000.00 or less at a time. After Contractor finishes the first set of \$250,000.00 projects, on the second one that comes along, the bond is basically set up so the Contractor has four (4) weeks of advertising to closeout a periodic project. If there was then another project in line on the Periodic, the Contractor would start on that project. The second project would be covered under the second \$250,000.00 out of the \$500,000.00 bond. At no point, would the Contractor be responsible for more than what is covered under the \$500,000.00 bond. That is what WPC received back from the Attorney General that covers COH on all the bond issues and allows WPC, typically, on the rehab projects, and at least on the Periodic bids, to advertise four (4) weeks, get everything closed out and keep cycling through that as long as quantities are available on work to be done.

Q: There is a base bid which is defined quantities and then there is the Periodic that is a supplementary bid ???

A: COH keeps periodic bids on pipe bursting, manhole rehab and have not been doing CIPP periodics in a long time; but basically both quantities on the bid can be used up to whatever the total on the Periodic quantities is. The way COH does the periodics is to fund projects up to that total every year.

At the end of the year, whatever the contract start date is, one year from that point, COH will send out a letter approximately two (2) months before contract end date to the awarded Contractor for the project to ask if the Contractor and WPC will be renewing the contract. If the answer is yes, and everyone involved is agreeable with the numbers, then the contract will be renewed for another year. The contract will end up being a total of three (3) years; the first year and then two (2) following years in which the contract will be renewed. Again, no quantities are guaranteed, and WPC may or may not use the quantities. That is the reason the bond was kept down to an amount that gives WPC enough room to work and be able to close projects out, but still not utilize all the Contractor's bonding.

Q: Is COH on a calendar year or fiscal year? When a job is closed out, does everything need to be wrapped up by a certain date?

A: It doesn't matter. The funding for this project is set aside. There is no SRF funding involved. Whenever the contract goes to council will be the date that starts the twelve (12) month period from that point.

3. Progress Schedule of Operations was discussed, as well as erosion control plan, disposal of debris from clearing and grubbing, plan for control of concrete temperature during hot/cold weather, etc. **If the progress report (critical path) is not received, YOUR first pay estimate will NOT BE PROCESSED UNTIL IT IS RECEIVED). Most of this is for standard construction contracts. Contractor will not have any clearing and grubbing or erosion control unless a point repair has to be done, and even then, that would be minor. The biggest deal on the progress schedule of operations is the Contractor working back and forth with the inspectors and making sure that the Contractor is not inhibiting flow or whatever the case might be on the Collections System.**
4. Discussed all Permits. No permits needed unless a road closing is necessary and then it needs to be requested 72 hours in advance to City Engineering. City Engineering will distribute planned closing information to all relative parties.
5. Utility Project Notification – Utility company representatives were given a description of their utility conflicts. Any problems the utility representative anticipates should be explained so that Project Engineer and Contractor can plan to include in the project. Each utility representative should provide Contractor with a name and phone number to contact for conflict assistance. Contractor is responsible for locating all utilities.

Standard One Call for point repairs or digging. There should be no utility conflicts. If there is a line, most of the time it is a gas line or a communications line. If the lines are found in the pre-TVI work, Shane Cook said he would have whoever is responsible on site to handle that. WPC is the only entity that is not on One Call, but they will be on site with the Contractor so that should not be an issue.

6. Discussed Submittal of Shop Drawings, working drawings, material submittals, job-mix formulas in accordance with the time limits in the contract. Section 2690 is the CIPP section in the Specs. There are a lot of submittals in this section. Those will be required unless the Contractor is told differently. There may be a case somewhere, especially in the Periodic quantities, where if the Contractor gets into a line to where there could be a critical flow, Shane said he may tell the Contractor differently; anything else, the Contractor needs to assume that it is full structural lining on the pipe and on the calculations.
7. Any right-of-way issues were discussed. Detail whether all property has been acquired to complete project and if not, when expected. There should be no right-of-way issues. Most of the 8"-10" pipes that have laterals on them are pipe burst. Historically, when WPC went through the CIPP, there were issues with top hats. At that point, the decision was made to pipe burst small pipes and line the bigger pipes. Most of the work the Contractor will be walking into, he will see on the plans; there are from 12" up through 36". There will be a large amount of it in the wheelhouse of 12", 15", and 18". This is typically what the Contractor will see. As far as right-of-way, COH has permanent easements along the line itself. The issue will be that a lot of these, when the Contractor gets into the 12", 15" or 18" range, will be following small creeks throughout the City and a lot of them will be in back yards. Some will be out in the streets. We will have easements along the line, but that doesn't necessarily mean that there are not fences or vegetation planted on it. There will be a U&D easement up and down the lot line of each parcel.
8. Any other projects that may conflict should have their project engineer, contractor and representatives in attendance to discuss. Shane said he doesn't think there will be any project conflicts. None of the items that are in the base bid are tied up into any other construction project that we know of; if so, there will be enough places to move around to where it will not affect the Contractor. There may very well be conflicts on the Periodic items. If that comes about, basically they come in to do a street project and on the plans it says the pipe is ductile, but it is clay and they want to line it before we go any further with the project; that might be the case. Shane said that is not really any different than any other periodic that we might have.

9. Contractor is required to submit pricing (Attachment "A") on either a 3- ½" floppy disk or CD-RW (preferably in a live/flash drive format) in the Excel format made available for download from the Engineering website. The bid disk or the CD-RW must be in working condition and included with original bid packet and reflect the correct revision, along with two signed hard copies. Failure to do so shall be cause for rejection of bid. If a price discrepancy is found on bid disk or CD-RW, printed hard copy prices submitted with original bid documents, with Contractor signature, will prevail.

## 10. PAYMENT

**BASE BID:** The OWNER agrees to pay the contractor as follows: Once each month per project, the OWNER shall make partial payment to the Contractor on the basis of duly certified and approved estimates of the work performed during the preceding month by the Contractor, less five percent (5%) of the amount of such estimate, which is to be retained by the City until all of the work has been performed. Liquidated damages will be deducted from all invoices when the invoice estimate period end date is later than the contract completion date. All pay requests will be submitted by hard copy and on a disk. The hard copy will be printed from the disk. The OWNER will provide the disk to the contractor. Two originals and two copies of the invoices are required before payment will be made. The disk should be submitted each month, along with the originals and copies, to Odessa Sales in the Engineering Department. No further retainage will be held after fifty percent of the contract is complete. All payments to contractor will be made as soon as practical after the approval and finance processes have been completed.

Shane Cook made a revision to this statement regarding submitting the disk to Odessa Sales in the Engineering Department. He said that at the end of every pay period - probably the week before the end of the pay period - the Contractor will agree on site with the inspectors as to what is complete-in-place. Contractor will fill out the pay request and submit the pay request to Mark Huber at the collection system at 1800 Vermont Road. Mark will then approve the request and forward it to Odessa Sales.

### OPTION #1, will typically be referred to as a Periodic Bid:

Each project will require a separate work authorization and purchase order from the City of Huntsville. Beginning and end dates will be stated and shall be signed by contractor accepting the terms for such work authorization.

The City of Huntsville will direct and approve the work element and the quantities required for each project location and will compute the overall cost for each element of work and their respective quantities.

**Mark Huber will have the work planned and will print maps that will look like the plan set for the base bid. Contractor will get a map and it will show the Contractor where he will begin lining. Mark will look at those quantities, which should be survey grade. All the manholes are located to survey grade so the distance between**



manhole to manhole should be exact. The City's GIS System is correct on the coordinates, but the footage that is written down in-between, may be incorrect. It will be the Contractor's responsibility to make sure the numbers are correct. Mark will take the map and compile the quantities and give it to the Contractor. The Contractor will go look at the job and make sure he agrees with the quantities that are located there. The quantities will be applied to the periodic numbers multiplied out and that will be how the mini projects inside the overall periodic, will be computed.

11. Project Engineer discussed plans, specs and special provisions.

a. A review of the plans was made with emphasis placed on unusual construction features and special drawings. It is a CIPP project. For all intensive purposes, the plans or maps say from Point A to Point B; there is a table listed indicating this is the size of pipe and the kind of pipe, and any other additional information. It will be the Contractor's responsibility to measure those pipes before ordering the socks to confirm that they are correct. Basically, the Engineer is going by the information given by the GIS system. We are more than likely to be wrong on the size of the pipe or the material of the pipe than we are the distance between manhole to manhole. Before any material is ordered from the base bid or periodic bid, Shane said he expects someone from the Contractor's company to measure those and confirm that they are correct.

b. Each pay item of the contract was read out and any questions concerning the method of measurement or payment discussed.

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
| <b>1</b> | <b>A. CONTRACT MOBILIZATION, (3% OF THE TOTAL COST OF THE WORK ORDER ADJUSTED FOR FINAL QUANTITIES)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>1</b>     |           |
| <b>2</b> | <b>CURED-IN-PLACE PIPE (CIPP) (12") (MATERIAL AND INSTALLATION)</b> Contractor should be able to look at the plans and delineate down from that down to the individual maps on each page to figure out where he is. There are videos located at 1800 Vermont Road. Contractor can ask for Jason Ayers and he'll set the Contractor up to look at the videos. If the Contractor has a hard time finding them on the maps, Shane said he'd be glad to assign someone to go out there with the Contractor to look around at where the different lines are located. This line item includes the Contractor bypassing almost everything that's tied up in there to get that line complete in place and cured out. WPC will have an inspector on site with the Contractor at all times. | <b>6,750</b> | <b>LF</b> |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |    |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----|
|   | When the Contractor comes in and TV, there will be someone sitting in the TVI truck with the Contractor and watching that to say if they're good to go. After the Contractor gets the line in, there will be someone sitting there when he starts TVing back through there when the Contractor says they're through with the line and is ready to turn the flow back on. Someone will be sitting there with the authority to say turn it loose. Contractor will not be waiting on WPC.                                                                                                                                                                                             |       |    |
| 3 | <b>CURED-IN-PLACE PIPE (CIPP) (15"-16") (MATERIAL AND INSTALLATION)</b> Includes everything in the line item from bypassing to pipe installation, materials, etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 675   | LF |
| 4 | <b>CURED-IN-PLACE PIPE (CIPP) (18") (MATERIAL AND INSTALLATION)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7,341 | LF |
| 5 | <b>CURED-IN-PLACE PIPE (CIPP) (20-21") (MATERIAL AND INSTALLATION)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6,621 | LF |
| 6 | <b>CURED-IN-PLACE PIPE (CIPP) (24") (MATERIAL AND INSTALLATION)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1,201 | LF |
| 7 | <b>POINT REPAIR (8"-18") (MATERIAL AND INSTALLATION)</b> Shane said he realizes that point repair is very vague. He said point repair consists of 15' of pipe in there and it's 8"-18". The Contractor will not be doing point repairs on most of the lines he is sent on. If WPC has a substantial structural issue, WPC would have already fixed it. The point repair is a legitimate line item, and the Contractor needs to include it. Shane said he has had some complaints about the different sizes and different depths and he is not going to get into 21 line items trying to lay out a 15' point repair. Contractor is here to do CIPP; point repair is a part of that. | 66    | EA |
| 8 | <b>POINT REPAIR (20"-36") (MATERIAL AND INSTALLATION)</b> Will include everything it takes to get the pipe in there and get WPC a full pipe worth of flow for them to line through. If there is piece of pipe missing in the crown of the pipe, that's not going to be an issue. The will line right through it. If there is something messed up in the flow line, then a good flow line will be made before lining through it.                                                                                                                                                                                                                                                    | 9     | EA |

|   |                                                                                                                                                                                                                                    |    |    |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|
| 9 | <b>REINSTATE SERVICE CONNECTION (MATERIAL AND INSTALLATION) WPC</b><br>hopes, theoretically in the system, there is not supposed to be laterals on anything above 10"; that is not the case. There will no doubt be some of those. | 16 | EA |
|   | <b>OPTION NO. 1</b>                                                                                                                                                                                                                |    |    |

The following quantities will be what is called the Periodic Bid. Size runs again from 8" up to 36". WPC will, periodically, have some pipe that has an 8" line that does not have services laterals on it.

It makes more sense getting to it, or whatever the case might be, to put CIPP in there instead of pipe bursting. Most of the item size will be 12" and above, but items 2 and 3 which are 8" and 10" on the optional quantities are legitimate items. WPC does use them; they just don't use them as much as the larger items.

Question was asked that if WPC is pipe bursting most of the smaller pipes, those would be difficult situations? Shane said not necessarily; more than likely it's going to be that he doesn't want to dig the tail ditch in new asphalt. He said WPC spent the last four (4) or five (5) years going around doing pipe bursting in most of the locations as the Contractor mentioned and they're getting to the point now where they don't have the emergencies in the easement that they used to have. He also said they're going in basins now working on complete basins because they have caught up with most of the problematic areas. So no, he wouldn't say it was necessarily the case that the situation was difficult; he said his pipe bursting contractor can probably go in a back yard and come out with less damage than the CIPP contractor can.

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |   |  |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|
| 1 | <b>A. CONTRACT MOBILIZATION, (3% OF THE TOTAL COST OF THE WORK ORDER ADJUSTED FOR FINAL QUANTITIES) WPC</b><br>will typically on the Periodic quantities, (especially on this CIPP project), more than likely, come in and if they use these quantities, will find a project that is close to the \$250,000.00 range and Contractor will know it is coming. Shane mentioned to the Contractors, just like the Pipe bursting Contractor, that he could call the Contractor at any time and say that he needs them here. Shane said that will be the rare oddity when basically something has collapsed and WPC has to get it back up, it has to be lined. Even in that case, most of the time with CIPP, if something has collapsed, WPC personnel will be out there on 24-hour shifts until it is operational and then he'll come to the Contractor and say that he needs them to come back and line. WPC has the point repair in; they're flowing, but the Contractor needs to get in and set up bypasses and get it lined. | 1 |  |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |           |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
|           | Shane said it will be a situation where he is not in a dire emergency. If there's sewer running on the ground then it will be WPC getting it. He may call the Contractor in to help.<br>If Mark finds a \$245,000.00 project on the periodic, the Contractor will get 3% of that coming back; it is what the mobilization costs are. Especially on the first year, the Contractor will already be in town so it won't be an issue. Later on, they'll try to plan so the Contractor will know what's coming. Mark will have to do the quantities so that when the 3% is added in, it still comes in under the maximum project range. |              |           |
| <b>2</b>  | <b>CURED-IN-PLACE PIPE (CIPP) (8") (MATERIAL AND INSTALLATION)</b> Contractor will not see much of this because most of it is handled with pipe bursting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>3,400</b> | <b>LF</b> |
| <b>3</b>  | <b>CURED-IN-PLACE PIPE (CIPP) (10") (MATERIAL AND INSTALLATION)</b> Contractor will not see much of this because most of it is handled with pipe bursting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>3,400</b> | <b>LF</b> |
| <b>4</b>  | <b>CURED-IN-PLACE PIPE (CIPP) (12") (MATERIAL AND INSTALLATION)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>3,400</b> | <b>LF</b> |
| <b>5</b>  | <b>CURED-IN-PLACE PIPE (CIPP) (15"-16") (MATERIAL AND INSTALLATION)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>3,400</b> | <b>LF</b> |
| <b>6</b>  | <b>CURED-IN-PLACE PIPE (CIPP) (18") (MATERIAL AND INSTALLATION)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>3,400</b> | <b>LF</b> |
| <b>7</b>  | <b>CURED-IN-PLACE PIPE (CIPP) (20-21") (MATERIAL AND INSTALLATION)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>3,400</b> | <b>LF</b> |
| <b>8</b>  | <b>CURED-IN-PLACE PIPE (CIPP) (24") (MATERIAL AND INSTALLATION)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>3,400</b> | <b>LF</b> |
| <b>9</b>  | <b>CURED-IN-PLACE PIPE (CIPP) (30") (MATERIAL AND INSTALLATION)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>3,400</b> | <b>LF</b> |
| <b>10</b> | <b>CURED-IN-PLACE PIPE (CIPP) (36") (MATERIAL AND INSTALLATION)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>3,400</b> | <b>LF</b> |

Items 4-10 is according to what Mark finds in the next year to three (3) years. Any of those pay items are in the wheelhouse of this contract. Contractor will see anywhere from 12" up to 36" on a fairly regular basis. Most of those will come in, especially if WPC is doing a basin; Contractor will get a map. How WPC goes about attacking that is obviously case specific. There is 3,400' on line items 2-10; that is everything from 8" pipe all the way up through 36" sized pipe. The bid quantities are completely arbitrary. These quantities are to get in a ball park that WPC is looking for. Shane said on the Periodic quantities, there may be 0 quantities on 10" through 20" used and the 24" item may run the entire amount of the contract. Contractors were directed not to order off the Optional quantities until they are given a project for set quantities. At that point, the Contractor will order material.



The total bid on the Optional quantities is what WPC is allowed to run the Periodic quantities up to for that project year. The base bid is 270 calendar days. Both will start at the same time. The optional quantities will run for a year from that date. The base bid is a straight 270 day contract. Question was asked if contract would be awarded on base bid only. Shane answered that we are awarding on base bid. He said he'll be able to look at the other quantities to see if the Contractor is giving a legitimate number or they're inflated. He said if the Contractor comes in and does good work and he is not having numerous complaints, then he'll be more likely to start putting out work on the Periodic. Shane said if he gets a Contractor in that he has to fight tooth and nail with and he has to stay on them to get a quality job done, they will not get the Periodic bid and Shane will not renew it at the end of the year. He'll rebid as a Periodic Bid on CIPP. Shane said the base bid was planned and this gave him a good opportunity. He said that CIPP used to be pretty well monopoly; once all the patents run out, it's just like pipe bursting was fifteen (15) years ago. There are a lot of people out there doing it. Some of them are good and some of them are not. Shane said he will make sure that he gets the base bid done and done with good craftsmanship or he closely monitor the Contractor to make sure it gets done. He said with the last Contractor he had doing CIPP, he ended up with a good product, but it was difficult getting from Point A to Point B. Shane said last time he issued the specs and the Contractor beat him on an umbrella corporation. He said he had to stay with him all day long every day, but he did end up with a good product. Over the last few years, WPC has had SSES work, pipe bursting, manhole rehab, root control, all over the City of Huntsville. Millions of feet of line have been run, and lined thousands of feet of pipe bursting, and manhole rehab. In the last five (5) years, Shane said he's probably had ten (10) complaints from the outside. Shane said he did not have a good experience with last Contractor. He said it had nothing to do with cured-in-place; it was the Contractor and the way he went about doing his work.

|           |                                                                                                                                                                                                                                                                                                                                                                                                            |            |           |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|
| <b>11</b> | <b>POINT REPAIR (8"-18") (MATERIAL AND INSTALLATION)</b>                                                                                                                                                                                                                                                                                                                                                   | <b>100</b> | <b>EA</b> |
| <b>12</b> | <b>POINT REPAIR (20"-36") (MATERIAL AND INSTALLATION)</b>                                                                                                                                                                                                                                                                                                                                                  | <b>100</b> | <b>EA</b> |
| <b>13</b> | <b>REINSTATE SERVICE CONNECTION (MATERIAL AND INSTALLATION)</b> WPC will have TV work; the Contractor will have TV work prior to lining after everything is completely cleaned. We should be able to delineate exactly where the service laterals are between those two (2) videos. Bypass pumping-Mark gets very upset when sewer gets out on the ground because Shane has to go and report to the State. | <b>50</b>  | <b>EA</b> |

c. When a contractor is new to COH contracts, the standard specifications should be discussed with emphasis on time charges, extra work, materials, etc.

d. State of Alabama classification required shall be stated. (MU) Municipal & Utility or (MU-S) Specialty Construction Sewer or Pipelines/Underground Piping.

e. There are Two Hundred and Seventy (270) calendar days for the Base Bid. The contract time for the Optional Periodic (Option No. 1) quantities is one (1) year from the date of the award, with services provided on an as needed basis up to the Not to Exceed (NTE) Amount. (asked during pre-bid meeting is there any concern that contract cannot be completed within contract time specified.) Council: 8/8/13; Anticipated NTP: no later than 8/23/13

f. (included whether construction trailer is required and whether as-builts are required)

g. Introduction and explanation of any revisions to Supplement to General Requirements – specifically detail the following:

The underlined statement in Clause #9 is a revised statement effective 4/9/13; special attention is directed to this revision.

**9. LIABILITY INSURANCE (SEE ALSO ATTACHED INSURANCE FOR CONTRACTORS, WHICH IS SHOWN AS SECTION 24.)**

The Contractor shall provide and maintain comprehensive general public liability insurance protecting the Contractor and the City against claims arising out of or resulting from the Contractor's operation under his contract for personal injury or property damage with minimum combined single limits of \$1,000,000, whether such operations are performed by himself, or by anyone directly or indirectly employed by them. In addition, a copy of the policy may be requested upon award. Certificates of insurance acceptable to the City shall be filed with the City prior to commencement of work and said certificate shall provide that policies will not be altered or canceled until at least 30 days prior written notice has been given to the City.

The Contractor shall indemnify and hold the OWNER, its officers and employees harmless from any suits, claims, demands, damages, liabilities, costs and expenses including reasonable attorney's fees, arising out of or resulting from the performance of the work. Certificates of Insurance are required naming the City as the Certificate Holder. The Certificates should reflect the insurance coverage required herein. The Certificates are to be signed by a person authorized by the Insurer to bind coverage on its behalf and must be an original signature. Certificates signed using digital signatures will not be accepted unless accompanied by a written statement from the insurance/surety company indicating that their electronic signature is intended as their signature. The Certificates must indicate coverage will not be canceled or non-renewed except after thirty (30) days prior written notice to the City at the following address: City of Huntsville, P.O. Box 308, Huntsville, Alabama 35804, Attention: Penny Kelly.

The underlined statement in Clause #24E is a revised statement effective 4/9/13; special attention is directed to this revision.

**24E. VERIFICATION OF COVERAGE**

The Owner shall be indicated as a Certificate Holder and the Contractor shall furnish the Owner with Certificates of Insurance reflecting the coverage required by this document. The A.M. Best Rating and deductibles, if applicable, shall be indicated on the Certificate of Insurance for each insurance policy. The certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. All certificates are to be received and approved by the Owner before work commences. The Owner reserves the right to require complete, certified copies of all required insurance policies at any time. Certificates signed using digital signatures will not be accepted unless accompanied by a written statement from the insurance/surety company indicating that their electronic signature is intended as their signature.



**46. SHOP DRAWINGS**

The approval of shop drawings by the Engineer will cover only the features of the design and in no case shall this approval be considered to cover error or omissions in shop details or a check of any dimensions. The Contractor shall be responsible for the accuracy of the shop drawings, the fabrication of materials and the fit of all connections; and he shall bear the cost of all extra work in erection caused by errors in shop drawings or in fabrication, inaccurate workmanship, misfits of connections or for any changes in fabrication necessary. No work shall be done on the material before the shop drawings have been approved. Any material that the Contractor orders prior to the approval shall be at the Contractor's risk.

Substitutions or changes whether indicated or implied on shop drawings will not be considered as changes regardless of the Engineer's approval of shop drawings unless the change has been previously submitted and approved as a change order per the requirements for changes in the contract.

After a shop drawing has been approved, no changes shall be made unless directed in writing to the Owner and acceptance by the Owner of said changes. Any acceptance of change by the Owner does not constitute a change to the contract unless that change has been approved and directed in writing per change order. Compensation for preparing and furnishing all shop and working drawings shall be included in the contract unit prices for the various pay items of work.

Assume Full Pipe structural calculations unless directed otherwise on specific lines.

**18. LIQUIDATED DAMAGES**

It is further understood and agreed by and between the parties to this contract, that in the event the work to be performed under this contract is not completed at the expiration of the contract time, then, and in that event, the Contractor shall pay to the City the amounts per calendar day by the schedule shown in the schedule in the City of Huntsville Standard Specifications, Section 80.11 - "Schedule of Liquidated Damages" for each day thereafter until such work is completed. The City will deduct said sum or sums from any money due the Contractor under this contract for any and all invoices submitted after the contract due date. (See Section 12). Attachment "F" - Sample of Request for Payment with Liquidated Damages shall become a part of the contract documents. Liquidated damages will be deducted from all invoices when the invoice estimate period end date is later than the contract completion date.

**Section 80.11 - "Schedule of Liquidated Damages" has been amended as follows effective 2/1/11 and revised in COH specifications 3/7/11:**

| Original Contract Amount |                  | Liquidated Damages Daily Charge |          |
|--------------------------|------------------|---------------------------------|----------|
| More Than                | To and Including | Calendar Day or Fixed Date      | Work Day |
| \$ 0                     | \$ 100,000       | \$ 200                          | \$ 400   |
| \$ 100,000               | \$ 500,000       | \$ 550                          | \$ 1,100 |
| \$ 500,000               | \$ 1,000,000     | \$ 900                          | \$ 1,800 |
| \$ 1,000,000             | \$ 2,000,000     | \$ 1,350                        | \$ 2,700 |
| \$ 2,000,000             | .....            | \$ 1,550                        | \$ 3,100 |

When the contract time is on the calendar day or date basis, the schedule for calendar days shall be used. When the contract time is on a work day basis, the schedule for work days shall be used.

Amounts in accordance with ALDOT and COH specifications and is based on contract amount before Change Orders.

12. Sequence of Construction and Traffic Control with the contractor made aware of his/her responsibility to handle traffic safely through the work zone. The method of payment for traffic control was discussed and clearly understood. Contractor has to keep traffic running for the most part. There will be some places where obviously the Contractor cannot keep traffic flowing, but those will be job specific.

13. For any trench cuts within existing roadways, Contractor is required to patch area with asphalt mix within the same day, unless otherwise specified by the Engineer. (Dense graded Base is no longer an acceptable means of traffic control within existing roadway cuts.)

14. Any subcontractors present were given the opportunity to ask questions or discuss items with which they are concerned. The Prime Contractor should be advised that no work by a subcontractor will be permitted unless approved by contract or in writing. Attachment "C" – "Subcontractor's Listing" in the Supplement to General Requirements for Construction of Public Improvements, City of Huntsville, Alabama has been revised and bidders are advised to pay special attention to the text and instructions listed on the attachment. Contractor shall keep the "Subcontractor's Listing" updated throughout the project duration and submit a copy of the listing with the request for final payment. Noncompliance with this request may cause delay in payment to the Contractor.

15. Anyone working for the Contractor, whether equipment and/or personnel, which are not the Prime Contractors and are not covered by subcontract, then it shall be understood that the Prime Contractor will be required to furnish a rental agreement for the equipment and carry personnel performing such work on his/her labor payroll.

#### **E-VERIFY – NOTICE**

The Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975) § 31-13-1 through 31-13-30 (also known as and hereinafter referred to as "the Alabama Immigration Act") as amended by Act No. 2012-491 on May 16, 2012 is applicable to all competitively bid contracts with the City of Huntsville. As a condition for the award of a contract and as a term and condition of the contract with the City of Huntsville, in accordance with § 31-13-9 (a) of the Alabama Immigration Act, as amended, any business entity or employer that employs one or more employees shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama.

During the performance of the contract, such business entity or employer shall participate in the E-Verify program and shall verify every employee that is required to be verified according to the applicable federal rules and regulations. The business entity or employer shall assure that these requirements are included in each subcontract in accordance with §31-13-9(c). Failure to comply with these requirements may result in breach of contract, termination of the contract or subcontract, and possibly suspension or revocation of business licenses and permits in accordance with §31-13-9 (e) (1) & (2). Code of Alabama (1975) § 31-13-9 (k) requires that the following clause be included in all City of Huntsville contracts that have been competitively bid and is hereby made a part of this contract:

“By signing this contract the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom.”

Contractor’s E-Verify Memorandum of Understanding shall be a part of the contract bid documents and shall be submitted with the bid package.

- Bidders’ attention is directed to the following item (#53) in the “Supplement to General Requirements for Construction of Public Improvements” document as posted on the COH website for this project:

**53. ALABAMA IMMIGRATION ACT** (Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975))

Compliance with the requirements of the (Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975) § 31-13-1 through 31-13-30, as amended by Alabama Act 2012-241, commonly referred to as the Alabama Immigration Law, is required for City of Huntsville, Alabama contracts that are competitively bid as a condition of the contract performance. The Contractor shall submit in the bid package, with the requested information included on the form, the “City of Huntsville, Alabama Report of Ownership Form” listed in this document as Attachment “H”. The bidder selected for award of the contract may be required to complete additional forms relating to citizenship or alien status of the bidder and its employees, including e-verify information, prior to award of a contract.

17. Asked if there are any further questions.

Q: It was mentioned that Shane did not want to break down point repairs and the Contractor understands why, but he wanted to know if Shane considered putting a lump sum item in. If there is an allowance put in, it could save some money.

A: Shane said the point repairs do not bother him. If it did, it would not be itemized the way it is. He said that he expects the prime contractor to know what a decent number is and to come in with one.

18. All questions will be answered and all clarifications made by addendum. **All addenda are sent via email and recipients are requested to send a confirmation of receipt of all addenda as soon as they are received.** Last day for questions concerning this project before the bid will be **July 12, 2013 until 5:00 p.m.** via fax (256) 427-5325 or email to: penny.kelly@huntsvilleal.gov. Response to contractor questions will be **July 15, 2013 until 5:00 p.m.** **Bids open: July 18, 2013 at 10:00 a.m.** in the **1st Floor Conference Room**, 320 Fountain Circle, Huntsville, AL. The pre-bid notes and all addenda shall become a part of the contract documents.

## ATTACHMENT "A1"

7/15/2013

**Sanitary Sewer Rehabilitation  
Cured-in-Place Pipe (CIPP) Installation 2013  
Project No. 65-13-SP32**

| ITEM # | DESCRIPTION                                                                                                                                                                                              | BID QTY | BID UNIT | UNIT PRICE | BID AMOUNT |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|------------|------------|
|        | All prices include the removal and disposal, including hauling of soil and materials                                                                                                                     |         |          |            |            |
| 1      | A. CONTRACT MOBILIZATION, (3% OF THE TOTAL COST OF THE WORK ORDER ADJUSTED FOR FINAL QUANTITIES)                                                                                                         | 1       |          |            |            |
| 2      | CURED-IN-PLACE PIPE (CIPP) (12") (MATERIAL AND INSTALLATION)                                                                                                                                             | 6,750   | LF       |            | \$0.00     |
| 3      | CURED-IN-PLACE PIPE (CIPP) (15"-16") (MATERIAL AND INSTALLATION)                                                                                                                                         | 675     | LF       |            | \$0.00     |
| 4      | CURED-IN-PLACE PIPE (CIPP) (18") (MATERIAL AND INSTALLATION)                                                                                                                                             | 7,341   | LF       |            | \$0.00     |
| 5      | CURED-IN-PLACE PIPE (CIPP) (20-21") (MATERIAL AND INSTALLATION)                                                                                                                                          | 6,621   | LF       |            | \$0.00     |
| 6      | CURED-IN-PLACE PIPE (CIPP) (24") (MATERIAL AND INSTALLATION)                                                                                                                                             | 1,201   | LF       |            | \$0.00     |
| 7      | POINT REPAIR (8"-18") (MATERIAL AND INSTALLATION)                                                                                                                                                        | 66      | EA       |            | \$0.00     |
| 8      | POINT REPAIR (20"-36") (MATERIAL AND INSTALLATION)                                                                                                                                                       | 9       | EA       |            | \$0.00     |
| 9      | REINSTATE SERVICE CONNECTION (MATERIAL AND INSTALLATION)                                                                                                                                                 | 16      | EA       |            | \$0.00     |
|        | <b>TOTAL BASE BID PRICE</b> (for evaluation purposes only): Basis of payment will be determined by multiplying the measured in place quantities determined in the field by the contract bid unit prices. |         |          |            | \$0.00     |



## ATTACHMENT "A1"

7/15/2013

**Sanitary Sewer Rehabilitation  
Cured-in-Place Pipe (CIPP) Installation 2013  
Project No. 65-13-SP32**

| ITEM # | DESCRIPTION                                                                                             | BID QTY | BID UNIT | UNIT PRICE | BID AMOUNT |
|--------|---------------------------------------------------------------------------------------------------------|---------|----------|------------|------------|
|        | All prices include the removal and disposal, including hauling of soil and materials                    |         |          |            |            |
|        | <b>OPTION NO. 1</b>                                                                                     |         |          |            |            |
| 1      | <b>A. CONTRACT MOBILIZATION, (3% OF THE TOTAL COST OF THE WORK ORDER ADJUSTED FOR FINAL QUANTITIES)</b> | 1       |          |            |            |
| 2      | CURED-IN-PLACE PIPE (CIPP) (8") (MATERIAL AND INSTALLATION)                                             | 3,400   | LF       |            | \$0.00     |
| 3      | CURED-IN-PLACE PIPE (CIPP) (10") (MATERIAL AND INSTALLATION)                                            | 3,400   | LF       |            | \$0.00     |
| 4      | CURED-IN-PLACE PIPE (CIPP) (12") (MATERIAL AND INSTALLATION)                                            | 3,400   | LF       |            | \$0.00     |
| 5      | CURED-IN-PLACE PIPE (CIPP) (15"-16") (MATERIAL AND INSTALLATION)                                        | 3,400   | LF       |            | \$0.00     |
| 6      | CURED-IN-PLACE PIPE (CIPP) (18") (MATERIAL AND INSTALLATION)                                            | 3,400   | LF       |            | \$0.00     |



7/15/2013

## ATTACHMENT "A1"

**Sanitary Sewer Rehabilitation  
Cured-in-Place Pipe (CIPP) Installation 2013  
Project No. 65-13-SP32**

| ITEM #             | DESCRIPTION                                                                          | BID QTY | BID UNIT | UNIT PRICE | BID AMOUNT |
|--------------------|--------------------------------------------------------------------------------------|---------|----------|------------|------------|
|                    | All prices include the removal and disposal, including hauling of soil and materials |         |          |            |            |
| 7                  | CURED-IN-PLACE PIPE (CIPP) (20'-21") (MATERIAL AND INSTALLATION)                     | 3,400   | LF       |            | \$0.00     |
| 8                  | CURED-IN-PLACE PIPE (CIPP) (24") (MATERIAL AND INSTALLATION)                         | 3,400   | LF       |            | \$0.00     |
| 9                  | CURED-IN-PLACE PIPE (CIPP) (30") (MATERIAL AND INSTALLATION)                         | 3,400   | LF       |            | \$0.00     |
| 10                 | CURED-IN-PLACE PIPE (CIPP) (36") (MATERIAL AND INSTALLATION)                         | 3,400   | LF       |            | \$0.00     |
| 11                 | POINT REPAIR (8"-18") (MATERIAL AND INSTALLATION)                                    | 10      | EA       |            | \$0.00     |
| 12                 | POINT REPAIR (20"-36") (MATERIAL AND INSTALLATION)                                   | 10      | EA       |            | \$0.00     |
| 13                 | REINSTATE SERVICE CONNECTION (MATERIAL AND INSTALLATION)                             | 50      | EA       |            | \$0.00     |
| TOTAL OPTION NO. 1 |                                                                                      |         |          |            | \$0.00     |

ALL ITEMS SHALL BE CONSIDERED IN-PLACE. UNIT PRICE SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTAL ITEMS REQUIRED FOR INSTALLATION.

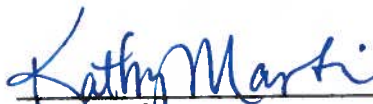
COMPANY \_\_\_\_\_

SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

## CERTIFICATION OF COMPLIANCE WITH TITLE 39, CODE OF ALABAMA

In accordance with Code of Alabama (1975) §39-5-1(b), I hereby certify that the contract with SAK Construction, L.L.C., in the Not-to-Exceed amount of ONE MILLION FIVE HUNDRED EIGHTY-SEVEN THOUSAND EIGHT HUNDRED NINETY-SIX AND .60/100 DOLLARS (\$1,587,896.60), for Sanitary Sewer Rehabilitation Cured-in-Place Pipe (CIPP) Installation-2013 (Base Bid Only), Project No. 65-13-SP32, which is being submitted to the City Council of the City of Huntsville for approval on this the 8th day of August, 2013, has been let in accordance with Code of Alabama, Title 39 and all other applicable provisions.



Kathy Martin  
Director of City Engineering  
City of Huntsville



Shane Cook  
Director of Water Pollution Control  
City of Huntsville

### E-VERIFY - NOTICE

The Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975) § 31-13-1 through 31-13-30 (also known as and hereinafter referred to as "the Alabama Immigration Act") as amended by Act No. 2012-491 on May 16, 2012 is applicable to all competitively bid contracts with the City of Huntsville. As a condition for the award of a contract and as a term and condition of the contract with the City of Huntsville, in accordance with § 31-13-9 (a) of the Alabama Immigration Act, as amended, any business entity or employer that employs one or more employees shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama.

During the performance of the contract, such business entity or employer shall participate in the E-Verify program and shall verify every employee that is required to be verified according to the applicable federal rules and regulations. The business entity or employer shall assure that these requirements are included in each subcontract in accordance with §31-13-9(c). Failure to comply with these requirements may result in breach of contract, termination of the contract or subcontract, and possibly suspension or revocation of business licenses and permits in accordance with §31-13-9 (e) (1) & (2).

Code of Alabama (1975) § 31-13-9 (k) requires that the following clause be included in all City of Huntsville contracts that have been competitively bid and is hereby made a part of this contract:

"By signing this contract the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom."

SAK Construction, L.L.C.  
(Company)

BY:   
(Authorized Representative)

Boyd Hirtz, Vice President